

# Values for video mode

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|-----|---------------|---------------|--------------|---------------------|--------|-----------------|--------------|--------------------------|
| 00h | T             | 40×25         | 8×8          | 320×200             | 16gray | 8               | B800         | CGA,PCjr,Tandy           |
|     | T             | 40×25         | 8×14         | 320×350             | 16gray | 8               | B800         | EGA                      |
|     | T             | 40×25         | 8×16         | 320×400             | 16     | 8               | B800         | MCGA                     |
|     | T             | 40×25         | 9×16         | 360×400             | 16     | 8               | B800         | VGA                      |
| 01h | T             | 40×25         | 8×8          | 320×200             | 16     | 8               | B800         | CGA,PCjr,Tandy           |
|     | T             | 40×25         | 8×14         | 320×350             | 16     | 8               | B800         | EGA                      |
|     | T             | 40×25         | 8×16         | 320×400             | 16     | 8               | B800         | MCGA                     |
|     | T             | 40×25         | 9×16         | 360×400             | 16     | 8               | B800         | VGA                      |
| 02h | T             | 80×25         | 8×8          | 640×200             | 16gray | 4               | B800         | CGA,PCjr,Tandy           |
|     | T             | 80×25         | 8×14         | 640×350             | 16gray | 8               | B800         | EGA                      |
|     | T             | 80×25         | 8×16         | 640×400             | 16     | 8               | B800         | MCGA                     |
|     | T             | 80×25         | 9×16         | 720×400             | 16     | 8               | B800         | VGA                      |
| 03h | T             | 80×25         | 8×8          | 640×200             | 16     | 4               | B800         | CGA,PCjr,Tandy           |
|     | T             | 80×25         | 8×14         | 640×350             | 16/64  | 8               | B800         | EGA                      |
|     | T             | 80×25         | 8×16         | 640×400             | 16     | 8               | B800         | MCGA                     |
|     | T             | 80×25         | 9×16         | 720×400             | 16     | 8               | B800         | VGA                      |
|     | T             | 80×43         | 8×8          | 640×350             | 16     | 4               | B800         | EGA,VGA [17]             |
|     | T             | 80×50         | 8×8          | 640×400             | 16     | 4               | B800         | VGA [17]                 |
| 04h | G             | 40×25         | 8×8          | 320×200             | 4      | .               | B800         | CGA,PCjr,EGA,MCGA,VGA    |
| 05h | G             | 40×25         | 8×8          | 320×200             | 4gray  | .               | B800         | CGA,PCjr,EGA             |
|     | G             | 40×25         | 8×8          | 320×200             | 4      | .               | B800         | MCGA,VGA                 |
| 06h | G             | 80×25         | 8×8          | 640×200             | 2      | .               | B800         | CGA,PCjr,EGA,MCGA,VGA    |
|     | G             | 80×25         | .            | .                   | mono   | .               | B000         | HERCULES.COM on HGC [14] |
| 07h | T             | 80×25         | 9×14         | 720×350             | mono   | var             | B000         | MDA,Hercules,EGA         |
|     | T             | 80×25         | 9×16         | 720×400             | mono   | .               | B000         | VGA                      |
| 08h | T             | 132×25        | 8×8          | 1056×200            | 16     | .               | B800         | ATI EGA/VGA Wonder [2]   |
|     | T             | 132×25        | 8×8          | 1056×200            | mono   | .               | B000         | ATI EGA/VGA Wonder [2]   |
|     | G             | 20×25         | 8×8          | 160×200             | 16     | .               | .            | PCjr, Tandy 1000         |
|     | G             | 80×25         | 8×16         | 640×400             | color  | .               | .            | Tandy 2000               |
|     | G             | 90×43         | 8×8          | 720×348             | mono   | .               | B000         | Hercules + MSHERC.COM    |
|     | G             | 90×45         | 8×8          | 720×360             | mono   | .               | B000         | Hercules + HERKULES [11] |
|     | G             | 90×29         | 8×12         | 720×348             | mono   | .               | .            | Hercules + HERCBIOS [15] |
| 09h | G             | 40×25         | 8×8          | 320×200             | 16     | .               | .            | PCjr, Tandy 1000         |
|     | G             | 80×25         | 8×16         | 640×400             | mono   | .               | .            | Tandy 2000               |
|     | G             | 90×43         | 8×8          | 720×348             | mono   | .               | .            | Hercules + HERCBIOS [15] |
| 0Ah | G             | 80×25         | 8×8          | 640×200             | 4      | .               | .            | PCjr, Tandy 1000         |
| 0Bh | reserved      |               |              |                     |        |                 |              | (EGA BIOS internal use)  |
|     | G             | 80×25         | 8×8          | 640×200             | 16     | .               | .            | Tandy 1000 SL/TL [13]    |
| 0Ch | reserved      |               |              |                     |        |                 |              | (EGA BIOS internal use)  |
| 0Dh | G             | 40×25         | 8×8          | 320×200             | 16     | 8               | A000         | EGA,VGA                  |
| 0Eh | G             | 80×25         | 8×8          | 640×200             | 16     | 4               | A000         | EGA,VGA                  |

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|-----|---------------|---------------|--------------|---------------------|----------|-----------------|--------------|----------------------------|
| 0Fh | G             | 80×25         | 8×14         | 640×350             | mono     | 2               | A000         | EGA,VGA                    |
| 10h | G             | 80×25         | 8×14         | 640×350             | 4        | 2               | A000         | 64k EGA                    |
|     | G             | .             | .            | 640×350             | 16       | .               | A000         | 256k EGA,VGA               |
| 11h | G             | 80×30         | 8×16         | 640×480             | mono     | .               | A000         | VGA,MCGA,ATI EGA,ATI VIP   |
| 12h | G             | 80×30         | 8×16         | 640×480             | 16/256K  | .               | A000         | VGA,ATI VIP                |
|     | G             | 80×30         | 8×16         | 640×480             | 16/64    | .               | A000         | ATI EGA Wonder             |
|     | G             | .             | .            | 640×480             | 16       | .               | .            | UltraVision+256K EGA       |
| 13h | G             | 40×25         | 8×8          | 320×200             | 256/256K | .               | A000         | VGA,MCGA,ATI VIP           |
| 14h | T             | 132×25        | N×16         | .                   | 16       | .               | B800         | XGA, IBM Enhanced VGA [3]  |
|     | T             | 132×25        | 8×16         | 1056×400            | 16/256K  | .               | .            | Cirrus CL-GD5420/5422/5426 |
|     | G             | 80×25         | 8×8          | 640×200             | .        | .               | .            | Lava Chrome II EGA         |
|     | G             | .             | .            | 640×400             | 16       | .               | .            | Tecmar VGA/AD              |
| 15h | G             | 80×25         | 8×14         | 640×350             | .        | .               | .            | Lava Chrome II EGA         |
| 16h | G             | 80×25         | 8×14         | 640×350             | .        | .               | .            | Lava Chrome II EGA         |
|     | G             | .             | .            | 800×600             | 16       | .               | .            | Tecmar VGA/AD              |
| 17h | T             | 132×25        | .            | .                   | .        | .               | .            | Tecmar VGA/AD              |
|     | T             | 80×43         | 8×8          | 640×348             | 16       | 4               | B800         | Tseng ET4000 BIOS [10]     |
|     | G             | 80×34         | 8×14         | 640×480             | .        | .               | .            | Lava Chrome II EGA         |
| 18h | T             | 80×30         | 9×16         | 720×480             | 16       | 1               | A000         | Realtek RTVGA [12]         |
|     | T             | 132×25        | .            | .                   | mono     | .               | B000         | Cirrus 5320 chipset        |
|     | T             | 132×44        | 8×8          | 1056×352            | mono     | .               | B000         | Tseng Labs EVA             |
|     | T             | 132×44        | 9×8          | 1188×352            | 4gray    | 2               | B000         | Tseng ET3000 chipset       |
|     | T             | 132×44        | 8×8          | 1056×352            | 16/256   | 2               | B000         | Tseng ET4000 chipset       |
|     | G             | 80×34         | 8×14         | 640×480             | .        | .               | .            | Lava Chrome II EGA         |
|     | G             | .             | .            | 1024×768            | 16       | .               | .            | Tecmar VGA/AD              |
| 19h | T             | 80×43         | 9×11         | 720×473             | 16       | 1               | A000         | Realtek RTVGA [12]         |
|     | T             | 132×25        | 8×14         | 1056×350            | mono     | .               | B000         | Tseng Labs EVA             |
|     | T             | 132×25        | 9×14         | 1188×350            | 4gray    | 4               | B000         | Tseng ET3000 chipset       |
|     | T             | 132×25        | 8×14         | 1056×350            | 16/256   | 4               | B000         | Tseng ET4000 chipset       |
|     | T             | 132×34        | .            | .                   | mono     | .               | B000         | Cirrus 5320 chipset        |
| 1Ah | T             | 80×60         | 9×8          | 720×480             | 16       | 1               | A000         | Realtek RTVGA [12]         |
|     | T             | 132×28        | 8×13         | 1056×364            | mono     | .               | B000         | Tseng Labs EVA             |
|     | T             | 132×28        | 9×13         | 1188×364            | 4gray    | 4               | B000         | Tseng ET3000 chipset       |
|     | T             | 132×28        | 8×13         | 1056×364            | 16/256   | 4               | B000         | Tseng ET4000 chipset       |
|     | T             | 132×44        | .            | .                   | mono     | .               | B000         | Cirrus 5320 chipset        |
|     | G             | .             | .            | 640×350             | 256      | .               | .            | Tecmar VGA/AD              |
| 1Bh | T             | 132×25        | 9×14         | 1188×350            | 16       | 1               | A000         | Realtek RTVGA [12]         |
|     | G             | .             | .            | 640×400             | 256      | .               | .            | Tecmar VGA/AD              |
| 1Ch | T             | 132×25        | .            | .                   | .        | .               | .            | Cirrus 5320 chipset        |
|     | T             | 132×30        | 9×16         | 1188×480            | 16       | 1               | A000         | Realtek RTVGA [12]         |
|     | G             | .             | .            | 640×480             | 256      | .               | .            | Tecmar VGA/AD              |
| 1Dh | T             | 132×43        | .            | .                   | .        | .               | .            | Cirrus 5320 chipset        |
|     | T             | 132×43        | 9×11         | 1188×473            | 16       | 1               | A000         | Realtek RTVGA [12]         |
|     | G             | .             | .            | 800×600             | 256      | .               | .            | Tecmar VGA/AD              |

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| 1Eh | T             | 132×44        | .            | .                   | .       | .               | .            | Cirrus 5320 chipset        |
|     | T             | 132×60        | 9×8          | 1188×480            | 16      | 1               | A000         | Realtek RTVGA [12]         |
| 1Fh | G             | 100×75        | 8×8          | 800×600             | 16      | 1               | A000         | Realtek RTVGA              |
| 20h | T             | 132×25        | .            | .                   | 16      | .               | .            | Avance Logic AL2101        |
|     | G             | 40×16         | .            | 240×128             | mono    | .               | B000         | HP 95LX/100LX/200LX        |
|     | G             | 80×30         | 8×16         | 640×480             | 16      | .               | .            | C&T 64310/65530 BIOS       |
|     | G             | 120×45        | 8×16         | 960×720             | 16      | 1               | A000         | Realtek RTVGA              |
| 21h | T             | 80×25         | .            | .                   | mono    | .               | B000         | HP 200LX                   |
|     | T             | 132×30        | .            | .                   | 16      | .               | .            | Avance Logic AL2101        |
|     | T             | 132×44        | 9×9          | 1188×396            | 16/256K | .               | B800         | WD90C                      |
|     | T             | 132×44        | 9×9          | 1188×396            | 16      | .               | B800         | Diamond Speedstar 24X      |
|     | T             | 132×60        | .            | .                   | 16      | 2               | B800         | Tseng ET4000 chipset [10]  |
|     | G             | 80×43         | 8×8          | 720×348             | mono    | .               | B000         | DESQview 2.x+Hercules [4]  |
|     | G             | 128×48        | 8×16         | 1024×768            | 16      | 1               | A000         | Realtek RTVGA [12]         |
| 22h | T             | 132×43        | .            | .                   | .       | .               | .            | Allstar Peacock (VGA)      |
|     | T             | 132×43        | .            | .                   | 16      | .               | .            | Avance Logic AL2101        |
|     | T             | 132×44        | 8×8          | 1056×352            | .       | .               | B800         | Tseng Labs EVA             |
|     | T             | 132×44        | 9×8          | 1188×352            | 16/256K | 2               | B800         | Tseng ET3000 chipset       |
|     | T             | 132×44        | 8×8          | 1056×352            | 16/256K | 2               | B800         | Tseng ET4000 chipset       |
|     | T             | 132×44        | 8×8          | 1056×352            | .       | .               | .            | Ahead Systems EGA2001      |
|     | T             | 132×44        | 8×8          | 1056×352            | 16      | 2               | B800         | Ahead B                    |
|     | T             | 132×44        | 8×9          | 1056×398            | 16      | .               | .            | STB Lightspeed ET4000/W32P |
|     | T             | 132×44        | .            | .                   | 16      | .               | .            | Orchid Prodesigner VGA     |
|     | G             | 80×43         | 8×8          |                     |         |                 |              |                            |
|     | G             | 96×64         | 8×16         | 768×1024            | 16      | 1               | A000         | Realtek RTVGA              |
|     | G             | 100×37        | 8×16         | 800×600             | 16      | .               | .            | C&T 64310/65530 BIOS       |
| 23h | T             | 132×25        | 6×14         | 792×350             | .       | .               | B800         | Tseng Labs EVA             |
|     | T             | 132×25        | 9×14         | 1188×350            | 16/256K | 4               | B800         | Tseng ET3000 chipset       |
|     | T             | 132×25        | 8×14         | 1056×350            | 16/256  | 4               | B800         | Tseng ET4000 chipset       |
|     | T             | 132×25        | 8×14         | 1056×350            | .       | .               | .            | Ahead Systems EGA2001      |
|     | T             | 132×25        | 8×14         | 1056×350            | 16      | 4               | B800         | Ahead B                    |
|     | T             | 132×25        | 8×8          | 1056×200            | 16      | .               | B800         | ATI EGA Wonder,ATI VIP     |
|     | T             | 132×25        | .            | .                   | .       | .               | .            | Cirrus 5320 chipset        |
|     | T             | 132×28        | .            | .                   | .       | .               | .            | Allstar Peacock (VGA)      |
|     | T             | 132×28        | .            | .                   | 16      | .               | .            | Orchid Prodesigner VGA     |
|     | T             | 132×60        | .            | .                   | 16      | .               | .            | Avance Logic AL2101        |
|     | G             | 128×48        | 8×16         | 1024×768            | 4       | 1               | A000         | Realtek RTVGA              |

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| 24h | T             | 80×30         | .            | .                   | 16      | .               | .            | Avance Logic AL2101          |
|     | T             | 132×25        | .            | .                   | .       | .               | .            | Allstar Peacock (VGA)        |
|     | T             | 132×25        | .            | .                   | 16      | .               | .            | Orchid Prodesigner VGA       |
|     | T             | 132×28        | 6×13         | 792×364             | .       | .               | B800         | Tseng Labs EVA               |
|     | T             | 132×28        | 9×13         | 1188×364            | 16/256K | 4               | B800         | Tseng ET3000 chipset         |
|     | T             | 132×28        | 8×12         | 1056×336            | 16      | 1               | B800         | Ahead B                      |
|     | T             | 132×28        | 8×13         | 1056×364            | 16/256K | 4               | B800         | Tseng ET4000 chipset         |
|     | T             | 132×28        | 8×14         | 1056×392            | 16      | .               | .            | STB Lightspeed ET4000/W32P   |
|     | T             | 132×28        | .            | .                   | .       | .               | .            | Cirrus 5320 chipset          |
|     | G             | 64×32         | 8×16         | 512×512             | 256     | 1               | A000         | Realtek RTVGA                |
|     | G             | 128×48        | 8×16         | 1024×768            | 16      | .               | .            | C&T 64310/65530 BIOS         |
| 25h | T             | 80×43         | .            | .                   | 16      | .               | .            | Avance Logic AL2101          |
|     | G             | 80×60         | 8×8          | 640×480             | .       | .               | A000         | Tseng Labs EVA               |
|     | G             | 80×60         | 8×8          | 640×480             | 16/256K | 1               | A000         | Tseng ET3000/4000 chipset    |
|     | G             | .             | .            | 640×480             | 16      | .               | .            | VEGA VGA                     |
|     | G             | 80×60         | 8×8          | 640×480             | 16      | .               | A000         | Orchid Prodesigner VGA       |
|     | G             | 80×60         | 8×8          | 640×480             | 16      | 1               | A000         | Ahead B (same as 26h)        |
|     | G             | .             | .            | 640×480             | 16      | .               | .            | NEC GB-1                     |
|     | G             | .             | .            | 640×480             | 16      | .               | .            | Cirrus 5320 chipset          |
|     | G             | .             | .            | 640×400             | 256     | .               | .            | Realtek RTVGA                |
| 26h | T             | 80×60         | 8×8          | 640×480             | .       | .               | .            | Tseng Labs EVA               |
|     | T             | 80×60         | 8×8          | 640×480             | 16/256K | 3               | B800         | Tseng ET3000/4000 chipset    |
|     | T             | 80×60         | .            | .                   | .       | .               | .            | Allstar Peacock (VGA)        |
|     | T             | 80×60         | .            | .                   | 16      | .               | .            | Orchid ProDesigner VGA       |
|     | T             | 80×60         | .            | .                   | 16      | .               | .            | Avance Logic AL2101          |
|     | G             | 80×60         | 8×8          | 640×480             | .       | .               | .            | Ahead Systems EGA2001        |
|     | G             | 80×60         | 8×8          | 640×480             | 16      | 1               | A000         | Ahead B (same as 25h)        |
|     | G             | .             | .            | 640×480             | 256     | .               | .            | Realtek RTVGA                |
| 27h | T             | 132×25        | 8×8          | 1056×200            | mono    | .               | B000         | ATI EGA Wonder,ATI VIP       |
|     | G             | .             | .            | 720×512             | 16      | .               | .            | VEGA VGA                     |
|     | G             | .             | .            | 720×512             | 16      | .               | .            | Genoa                        |
|     | G             | 100×75        | 8×8          | 800×600             | 256     | 1               | A000         | Realtek RTVGA [12]           |
|     | G             | .             | .            | 960×720             | 16      | .               | .            | Avance Logic AL2101          |
| 28h | T             | ???x???       | .            | .                   | .       | .               | .            | VEGA VGA                     |
|     | G             | .             | .            | 512×512             | 256     | .               | .            | Avance Logic AL2101          |
|     | G             | .             | .            | 1024×768            | 256     | .               | .            | Realtek RTVGA (1meg)         |
|     | G             | 160×64        | 8×16         | 1280×1024           | 16      | .               | .            | Chips&Technologies 64310 [1] |

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| 29h | G             | .             | .            | 640×400             | 256      | .               | .            | Avance Logic AL2101        |
|     | G             | .             | .            | 800×600             | 16       | .               | .            | VEGA VGA                   |
|     | G             | 100×37        | 8×16         | 800×600             | 16       | .               | A000         | Orchid                     |
|     | G             | .             | .            | 800×600             | 16       | .               | A000         | STB,Genoa,Sigma            |
|     | G             | .             | .            | 800×600             | 16       | .               | .            | Allstar Peacock (VGA)      |
|     | G             | 100×37        | 8×16         | 800×600             | 16/256K  | 1               | A000         | Tseng ET3000/4000 chipset  |
|     | G             | .             | .            | 800×600             | ???      | .               | .            | EIZO MDB10                 |
|     | G             | .             | .            | 800×600             | 16       | .               | .            | Cirrus 5320 chipset        |
|     | G             | NA            | .            | 800×600             | 16       | .               | .            | Compaq QVision 1024/1280   |
|     | G             | .             | .            | 1024×1024           | 256      | .               | .            | Realtek RTVGA BIOS v3.C10  |
| 2Ah | T             | 100×40        | .            | .                   | .        | .               | .            | Allstar Peacock (VGA)      |
|     | T             | 100×40        | 8×16         | 800×640             | 16       | .               | .            | Orchid Prodesigner VGA     |
|     | T             | 100×40        | 8×15         | 800×600             | 16/256K  | 4               | B800         | Tseng ET3000/4000 chipset  |
|     | T             | 100×40        | 8×15         | 800×600             | 16       | .               | .            | STB Lightspeed ET4000/W32P |
|     | G             | .             | .            | 640×480             | 256      | .               | .            | Avance Logic AL2101        |
|     | G             | .             | .            | 1280×1024           | 16       | .               | .            | Realtek RTVGA              |
| 2Bh | G             | .             | .            | 800×600             | 16       | .               | .            | Avance Logic AL2101        |
| 2Ch | G             | .             | .            | 800×600             | 256      | .               | .            | Avance Logic AL2101        |
| 2Dh | G             | .             | .            | 640×350             | 256      | .               | .            | VEGA VGA                   |
|     | G             | .             | .            | 640×350             | 256/256K | .               | A000         | Orchid, Genoa, STB         |
|     | G             | 80×25         | 8×14         | 640×350             | 256/256K | 1               | A000         | Tseng ET3000/4000 chipset  |
|     | G             | .             | .            | 640×350             | 256      | .               | .            | Cirrus 5320 chipset        |
|     | G             | 80×25         | 8×14         | 640×350             | 256      | .               | .            | STB Lightspeed ET4000/W32P |
|     | G             | .             | .            | 768×1024            | 16       | .               | .            | Avance Logic AL2101        |
| 2Eh | G             | .             | .            | 640×480             | 256      | .               | .            | VEGA VGA                   |
|     | G             | 80×30         | 8×16         | 640×480             | 256/256K | .               | A000         | Orchid                     |
|     | G             | .             | .            | 640×480             | 256/256K | .               | A000         | STB,Genoa,Sigma            |
|     | G             | 80×30         | 8×16         | 640×480             | 256/256K | 1               | A000         | Tseng ET3000/4000 chipset  |
|     | G             | .             | .            | 640×480             | 256/256K | .               | .            | Compaq QVision 1024/1280   |
|     | G             | .             | .            | 768×1024            | 256      | .               | .            | Avance Logic AL2101        |
| 2Fh | T             | 160×50        | 8×8          | 1280×400            | 16       | 4               | B800         | Ahead B (Wizard/3270)      |
|     | G             | .             | .            | 720×512             | 256      | .               | .            | VEGA VGA                   |
|     | G             | .             | .            | 720×512             | 256      | .               | .            | Genoa                      |
|     | G             | 80×25         | 8×16         | 640×400             | 256/256K | 1               | A000         | Tseng ET4000 chipset       |
|     | G             | .             | .            | 1024×768            | 4        | .               | .            | Avance Logic AL2101        |
| 30h | G             | 80×30         | 8×16         | 640×480             | 256      | .               | .            | C&T 64310/65530 BIOS       |
|     | G             | .             | .            | .                   | .        | .               | B800         | AT&T 6300                  |
|     | G             | .             | .            | 720×350             | 2        | .               | .            | 3270 PC                    |
|     | G             | .             | .            | 800×600             | 256      | .               | .            | VEGA VGA                   |
|     | G             | 100×37        | 8×16         | 800×600             | 256/256K | .               | A000         | Orchid                     |
|     | G             | .             | .            | 800×600             | 256/256K | .               | A000         | STB,Genoa,Sigma            |
|     | G             | .             | .            | 800×600             | 256      | .               | .            | Cardinal                   |
|     | G             | 100×37        | 8×16         | 800×600             | 256/256K | 1               | A000         | Tseng ET3000/4000 chipset  |
|     | G             | .             | .            | 1024×768            | 16       | .               | .            | Avance Logic AL2101        |

|     | text/<br>grph | text<br>resol | pixel<br>box | pixel<br>resolution | colors   | disply<br>pages | scrn<br>addr | system                       |
|-----|---------------|---------------|--------------|---------------------|----------|-----------------|--------------|------------------------------|
| 31h | G             | .             | .            | 1024×768            | 256      | .               | .            | Avance Logic AL2101          |
|     | T             | 80×34         | 8×10         | .                   | 16       | 4               | B800         | Ahead B (Wizard/3270)        |
| 32h | G             | .             | .            | 640×480             | 256      | .               | .            | Compaq QVision 1024/1280     |
|     | G             | 100×37        | 8×16         | 800×600             | 256      | .               | .            | C&T 64310/65530 BIOS         |
| 33h | T             | 132×44        | 8×8          | .                   | 16       | .               | B800         | ATI EGA Wonder,ATI VIP       |
|     | T             | 80×34         | 8×8          | .                   | 16       | 4               | B800         | Ahead B (Wizard/3270)        |
|     | T             | 80×66         | 8×8          | .                   | 16       | 4               | B800         | Ahead B (Wizard/3270)        |
| 34h | G             | .             | .            | 800×600             | 256      | .               | .            | Compaq QVision 1024/1280     |
|     | G             | 128×48        | 8×16         | 1024×768            | 256      | .               | .            | Chips&Technologies 64310     |
|     | G             | .             | .            | 960×720             | 16       | .               | .            | VEGA VGA, STB                |
| 36h | G             | .             | .            | 960×720             | 16       | .               | A000         | Tseng ET3000 only            |
|     | G             | .             | .            | 1280×1024           | 16       | .               | .            | Avance Logic AL2101          |
|     | T             | 132×44        | 8×8          | .                   | mono     | .               | B800         | ATI EGA Wonder,ATI VIP       |
|     | G             | .             | .            | 1024×768            | 16       | .               | .            | VEGA VGA                     |
|     | G             | 128×48        | 8×16         | 1024×768            | 16       | .               | A000         | Orchid                       |
|     | G             | .             | .            | 1024×768            | 16       | .               | .            | STB,Genoa,Sigma              |
|     | G             | .             | .            | 1024×768            | 16       | .               | .            | Definicon                    |
|     | G             | 128×48        | 8×16         | 1024×768            | 16       | 1               | A000         | Tseng ET3000/4000 chipset    |
|     | G             | .             | .            | 1024×768            | 16       | .               | .            | Compaq QVision 1024/1280     |
|     | G             | .             | .            | 1280×1024           | 256      | .               | .            | Avance Logic AL2101          |
|     | G             | .             | .            | 1024×768            | 256      | .               | .            | STB VGA/EM-16 Plus (1MB)     |
|     | G             | 128×48        | 8×16         | 1024×768            | 256/256K | 1               | A000         | Tseng ET4000 chipset         |
| 38h | G             | .             | .            | 1024×768            | 256      | .               | .            | Orchid ProDesigner II        |
|     | G             | .             | .            | 1024×768            | 256      | .               | .            | Compaq QVision 1024/1280     |
|     | G             | 160×64        | 8×16         | 1280×1024           | 256      | .               | .            | Chips&Technologies 64310 [1] |
| 39h | G             | .             | .            | 1280×1024           | 16       | .               | .            | Compaq QVision 1280          |
| 3Ah | G             | .             | .            | 1280×1024           | 256      | .               | .            | Compaq QVision 1280          |
| 3Bh | G             | .             | .            | 512×480             | 256      | .               | .            | Compaq QVision 1024/1280     |
| 3Ch | G             | .             | .            | 640×400             | 64K      | .               | .            | Compaq QVision 1024/1280     |
|     | G             | .             | .            | 1280×1024           | 16       | .               | .            | Definicon                    |
| 3Dh | G             | 128×64        | 8×16         | 1280×1024           | 16       | 1               | A000         | Tseng ET4000 v3.00 [1,7]     |
|     | G             | .             | .            | 1280×961            | 16       | .               | .            | Definicon                    |
| 3Eh | G             | .             | .            | 640×480             | 64K      | .               | .            | Compaq QVision 1024/1280     |
|     | G             | .             | .            | 1280×1024           | 256      | .               | .            | Hercules ??? (ET4000W32)     |
| 3Fh | G             | .             | .            | 800×600             | 64K      | .               | .            | Compaq QVision 1024/1280     |

|     | text/<br>grph | text<br>resol | pixel<br>box | pixel<br>resolution               | colors  | disply<br>pages | scrn<br>addr  | system                   |
|-----|---------------|---------------|--------------|-----------------------------------|---------|-----------------|---------------|--------------------------|
| 40h | T             | 80×43         | .            | .                                 | .       | .               | .             | VEGA VGA, Tecmar VGA/AD  |
|     | T             | 80×43         | .            | .                                 | .       | .               | .             | Video7 V-RAM VGA         |
|     | T             | 80×43         | .            | .                                 | .       | .               | .             | Tatung VGA               |
|     | T             | 100×30        | .            | .                                 | 16      | .               | .             | MORSE VGA                |
|     | T             | 100×30        | .            | .                                 | .       | .               | .             | Cirrus 510/520 chipset   |
|     | T             | 80×25         | .            | 720×350                           | mono    | .               | .             | Genoa SuperEGA BIOS 3.0+ |
|     | G             | .             | .            | 320×200                           | 64K     | .               | .             | Avance Logic AL2101      |
|     | G             | 80×25         | 8×16         | 640×400                           | 2       | 1               | B800          | AT&T 6300, AT&T VDC600   |
|     | G             | 80×25         | 8×16         | 640×400                           | 2       | 1               | B800          | Olivetti Quaderno        |
|     | G             | 80×25         | 8×16         | 640×400                           | 2       | 1               | B800          | Compaq Portable          |
|     | G             | 80×30         | 8×16         | 640×480                           | 32K     | .               | .             | Chips&Technologies 64310 |
|     | G             | .             | .            | 1024×768                          | 64K     | .               | .             | Compaq QVision 1280      |
| 41h | T             | 132×25        | .            | .                                 | .       | .               | .             | VEGA VGA                 |
|     | T             | 132×25        | .            | .                                 | .       | .               | .             | Tatung VGA               |
|     | T             | 132×25        | .            | .                                 | .       | .               | .             | Video7 V-RAM VGA         |
|     | T             | 100×50        | .            | .                                 | 16      | .               | .             | MORSE VGA                |
|     | T             | 100×50        | .            | .                                 | .       | .               | .             | Cirrus 510/520 chipset   |
|     | T             | 80×34         | 9×14         | 720×476                           | 16/256K | .               | B800<br>WD90C |                          |
|     | T             | 80×34         | 9×14         | .                                 | 16      | .               | B800          | Diamond Speedstar 24X    |
|     | G             | .             | .            | 512×512                           | 64K     | .               | .             | Avance Logic AL2101      |
|     | G             | .             | .            | 640×200                           | 16      | 1               | .             | AT&T 6300                |
|     | G             | 80×30         | 8×16         | 640×480                           | 64K     | .               | .             | Chips&Technologies 64310 |
|     | G             | 80×25         | .            | 720×348                           | mono    | .               | B000          | Genoa SuperEGA BIOS 3.0+ |
|     |               |               |              |                                   |         |                 |               |                          |
| 42h | T             | 132×43        | .            | .                                 | .       | .               | .             | VEGA VGA                 |
|     | T             | 132×43        | .            | .                                 | .       | .               | .             | Tatung VGA               |
|     | T             | 132×43        | .            | .                                 | .       | .               | .             | Video7 V-RAM VGA         |
|     | T             | 80×34         | 9×10         | .                                 | 4       | 4               | B800          | Ahead B (Wizard/3270)    |
|     | T             | 100×60        | .            | .                                 | 16      | .               | .             | MORSE VGA                |
|     | T             | 100×60        | .            | .                                 | .       | .               | .             | Cirrus 510/520 chipset   |
|     | G             | 80×25         | 8×16         | 640×400                           | 16      | .               | .             | AT&T 6300, AT&T VDC600   |
|     | G             | .             | .            | 640×400                           | 64K     | .               | .             | Avance Logic AL2101      |
|     | G             | 80×25         | .            | 720×348                           | mono    | .               | B800          | Genoa SuperEGA BIOS 3.0+ |
|     | G             | 100×37        | 8×16         | 800×600                           | 32K     | .               | .             | Chips&Technologies 64310 |
|     |               |               |              |                                   |         |                 |               |                          |
|     |               |               |              |                                   |         |                 |               |                          |
| 43h | T             | 80×60         | .            | .                                 | .       | .               | .             | VEGA VGA                 |
|     | T             | 80×60         | .            | .                                 | .       | .               | .             | Tatung VGA               |
|     | T             | 80×60         | .            | .                                 | .       | .               | .             | Video7 V-RAM VGA         |
|     | T             | 80×45         | 9×8          | .                                 | 4       | 4               | B800          | Ahead B (Wizard/3270)    |
|     | T             | 100×75        | .            | .                                 | 16      | .               | .             | MORSE VGA                |
|     | T             | 80×29         | .            | 720×348                           | mono    | .               | .             | Genoa SuperEGA BIOS 3.0+ |
|     | G             | .             | .            | 640×200 of<br>640×400<br>viewport |         |                 |               | AT&T 6300 (unsupported)  |
|     | G             | .             | .            | 640×480                           | 64K     | .               | .             | Avance Logic AL2101      |
|     | G             | 100×37        | 8×16         | 800×600                           | 64K     | .               | .             | Chips&Technologies 64310 |

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|-----|---------------|----------------------------|--------------|---------------------|---------|-----------------|--------------|------------------------------|
|     |               | disable VDC and DEB output |              |                     |         |                 | .            | AT&T 6300                    |
| 44h | T             | 100×60                     | .            | .                   | .       | .               | .            | VEGA VGA                     |
|     | T             | 100×60                     | .            | .                   | .       | .               | .            | Tatung VGA                   |
|     | T             | 100×60                     | .            | .                   | .       | .               | .            | Video7 V-RAM VGA             |
|     | T             | 80×32                      | .            | 720×352             | mono    | .               | .            | Genoa SuperEGA BIOS 3.0+     |
|     | G             | .                          | .            | 800×600             | 64K     | .               | .            | Avance Logic AL2101          |
| 45h | T             | 132×28                     | .            | .                   | .       | .               | .            | Tatung VGA                   |
|     | T             | 132×28                     | .            | .                   | .       | .               | .            | Video7 V-RAM VGA             |
|     | T             | 80×44                      | .            | 720×352             | mono    | .               | .            | Genoa SuperEGA BIOS 3.0+     |
| 46h | T             | 132×25                     | 8×14         | .                   | mono    | .               | .            | Genoa 6400                   |
|     | T             | 132×25                     | 9×14         | .                   | mono    | .               | .            | Genoa SuperEGA BIOS 3.0+     |
|     | G             | 100×40                     | 8×15         | 800×600             | 2       | .               | .            | AT&T VDC600                  |
| 47h | T             | 132×29                     | 8×12         | .                   | mono    | .               | .            | Genoa 6400                   |
|     | T             | 132×29                     | 9×12         | .                   | mono    | .               | .            | Genoa SuperEGA BIOS 3.0+     |
|     | T             | 132×28                     | 9×16         | 1188×448            | 16/256K | .               | B800         | WD90C                        |
|     | T             | 132×28                     | 9×16         | .                   | 16      | .               | B800         | Diamond Speedstar 24X        |
|     | G             | 100×37                     | 8×16         | 800×600             | 16      | .               | .            | AT&T VDC600                  |
| 48h | T             | 132×32                     | 8×12         | .                   | mono    | .               | .            | Genoa 6400                   |
|     | T             | 132×32                     | 9×11         | .                   | mono    | .               | .            | Genoa SuperEGA BIOS 3.0+     |
|     | G             | 80×50                      | 8×8          | 640×400             | 2       | .               | B800         | AT&T 6300, AT&T VDC600       |
|     | G             | 80×50                      | 8×8          | 640×400             | 2       | .               | B800         | Olivetti Quaderno            |
| 49h | T             | 132×44                     | 8×8          | .                   | mono    | .               | .            | Genoa 6400                   |
|     | T             | 132×44                     | 9×8          | .                   | mono    | .               | .            | Genoa SuperEGA BIOS 3.0+     |
|     | G             | 80×30                      | 8×16         | 640×480             | .       | .               | .            | Lava Chrome II EGA           |
|     | G             | 80×30                      | 8×16         | 640×480             | .       | .               | A000         | Diamond Stealth64 Video 2xx1 |
| 4Bh | G             | 100×37                     | 8×16         | 800×600             | .       | .               | A000         | Diamond Stealth64 Video 2xx1 |

4Dh = T 120×25 . . . . . VEGA VGA

|     |        |      |          |     |   |   |                                   |
|-----|--------|------|----------|-----|---|---|-----------------------------------|
| = G | .      | .    | 512x480  | 16M | . | . | Compaq QVision 1024/1280          |
| = G | 128x48 | 8x16 | 1024x768 | .   | . | . | A000 Diamond Stealth64 Video 2xx1 |

4Eh = T 120×43 . . . . . VEGA VGA

|     |        |      |          |         |   |      |                                   |
|-----|--------|------|----------|---------|---|------|-----------------------------------|
| = T | 80x60  | 8x8  | .        | 16/256K | . | B800 | Oak OTI-067/OTI-077 [8]           |
| = G | .      | .    | 640x400  | 16M     | . | .    | Compaq QVision 1024/1280          |
| = G | 144x54 | 8x16 | 1152x864 | .       | . | .    | A000 Diamond Stealth64 Video 2xx1 |

4Fh = T 132×25 . . . . . VEGA VGA

|     |        |   |         |     |   |   |                       |
|-----|--------|---|---------|-----|---|---|-----------------------|
| = T | 132x60 | . | .       | .   | . | . | some Oak Tech VGA [8] |
| = G | .      | . | 640x480 | 16M | . | . | Compaq QVision 1280   |



50h = T 80x30 8x16 . 16/256K . B800 Trident TVGA 8800/8900

|     |        |      |          |         |   |                              |                          |
|-----|--------|------|----------|---------|---|------------------------------|--------------------------|
| = T | 80x34  | .    | .        | .       | . | .                            | Lava Chrome II EGA       |
| = T | 80x43  | .    | .        | mono    | . | .                            | VEGA VGA                 |
| = T | 132x25 | 9x14 | .        | mono    | . | .                            | Ahead Systems EGA2001    |
| = T | 132x25 | 9x14 | .        | 4       | 4 | B800 Ahead B                 |                          |
| = T | 132x25 | 8x14 | .        | 16      | 8 | B800 OAK Technologies VGA-16 |                          |
| = T | 132x25 | 8x14 | .        | 16/256K | . | B800 Oak OTI-037/067/077 [8] |                          |
| = T | 132x25 | 8x14 | 1056x350 | 16      | 8 | B800 UM587 chipset           |                          |
| = T | 132x30 | .    | .        | 16      | . | .                            | MORSE VGA                |
| = T | 132x30 | .    | .        | .       | . | .                            | Cirrus 510/520 chipset   |
| = G | 80x30  | 8x16 | 640x480  | 16      | . | .                            | Paradise EGA-480         |
| = G | 80x30  | 8x16 | 640x480  | 16      | . | .                            | NEL Electronics BIOS     |
| = G | 80x30  | 8x16 | 640x480  | 16M     | . | .                            | Chips&Technologies 64310 |
| = G | .      | .    | 640x480  | mono??? | . | .                            | Taxan 565 EGA            |
| = G | 40x25  | 8x8  | 320x200  | .       | . | .                            | Genoa SuperEGA BIOS 3.0+ |

51h = T 80x30 8x16 . . . . Paradise EGA-480

|     |        |      |          |         |   |   |                              |
|-----|--------|------|----------|---------|---|---|------------------------------|
| = T | 80x30  | 9x16 | .        | .       | . | . | NEL Electronics BIOS         |
| = T | 80x30  | .    | .        | .       | . | . | Lava Chrome II EGA           |
| = T | 80x43  | 8x11 | .        | 16/256K | . | . | B800 Trident TVGA 8800/8900  |
| = T | 132x25 | .    | .        | mono    | . | . | VEGA VGA                     |
| = T | 132x28 | 9x12 | .        | 4       | 4 | . | B800 Ahead B                 |
| = T | 132x43 | 8x8  | .        | 16      | 5 | . | B800 OAK Technologies VGA-16 |
| = T | 132x43 | 8x8  | .        | 16/256K | . | . | B800 Oak OTI-037/067/077     |
| = T | 132x43 | 8x8  | 1056x344 | 16      | 5 | . | B800 UM587 chipset           |
| = T | 132x50 | .    | .        | 16      | . | . | MORSE VGA                    |
| = T | 132x50 | .    | .        | .       | . | . | Cirrus 510/520 chipset       |
| = G | 80x34  | 8x14 | 640x480  | 16      | . | . | ATI EGA Wonder               |
| = G | 80x25  | 8x8  | 640x200  | .       | . | . | Genoa SuperEGA BIOS 3.0+     |

52h = T 80x60 . . . . . Lava Chrome II EGA

|                     |        |      |          |         |   |                              |
|---------------------|--------|------|----------|---------|---|------------------------------|
| = T                 | 80x60  | 8x8  | .        | 16/256K | . | B800 Trident TVGA 8800/8900  |
| = T                 | 132x43 | .    | .        | mono    | . | . VEGA VGA                   |
| = T                 | 132x44 | 9x8  | .        | mono    | . | . Ahead Systems EGA2001      |
| = T                 | 132x44 | 9x8  | .        | 4       | 2 | B800 Ahead B                 |
| = T                 | 132x60 | .    | .        | 16      | . | . MORSE VGA                  |
| = T                 | 132x60 | .    | .        | .       | . | . Cirrus 510/520 chipset     |
| = G                 | 80x25  | 8x19 | 640x480  | 16      | 1 | A000 AX VGA                  |
| (Kanji&superimpose) |        |      |          |         |   |                              |
| = G                 | 94x29  | 8x14 | 752x410  | 16      | . | . ATI EGA Wonder             |
| = G                 | 100x75 | 8x8  | 800x600  | 16      | 1 | A000 OAK Technologies VGA-16 |
| = G                 | 100x75 | 8x8  | 800x600  | 16      | . | A000 Oak OTI-037 chipset [8] |
| = G                 | 100x37 | 8x16 | 800x600  | 16      | . | A000 Oak OTI-067/077 chips   |
| [8]                 |        |      |          |         |   |                              |
| = G                 | 100x75 | 8x8  | 800x600  | 16      | . | A000 UM587 chipset           |
| = G                 | 128x30 | 8x16 | 1024x480 | 16      | . | . NEL Electronics BIOS       |

53h = T 80x25 8x16 . . . . NEL Electronics BIOS

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= T 80x60      .      .      16      .      .  MORSE VGA
= T 80x60      .      .      .      .      .  Cirrus 510/520 chipset
= T 132x25     8x14      .      16/256K .  B800 Trident TVGA 8800/8900
= T 132x43     .      .      .      .      .  Lava Chrome II EGA
= G 80x25     8x19   640x480      16      1  A000 AX VGA (Kanji, no
superimp.)
= G      .      .      640x480      256      .  Oak VGA
= G 80x30     8x16   640x480      256      .  A000 Oak OTI-067/OTI-077 [8]
= G 100x40    8x14   800x560      16      .  ATI EGA Wonder,ATI VIP
= G      .      .      .      .      .  AX PC

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54h = T 132x25 . . . . . Lava Chrome II EGA

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= T 132x30     8x16      .      16/256K .  B800 Trident TVGA 8800/8900
= T 132x43     8x8       .      .      .  Paradise EGA-480
= T 132x43     8x8       .      .      .  NEL Electronics BIOS
= T 132x43     7x9       .      16/256K .  B800 Paradise VGA
= T 132x43     8x9       .      16/256K .  B800 Paradise VGA on multisync
= T 132x43     .      .      .      .      .  Taxan 565 EGA
= T 132x43     .      .      .      .      .  AST VGA Plus
= T 132x43     .      .      .      .      .  Hewlett-Packard D1180A
= T 132x43     7x9       .      16      .  AT&T VDC600
= T 132x43     9x9   1188x387      16/256K .  B800 WD90C
= T 132x43     9x9   1188x387      16/256K .  B800 Diamond Speedstar 24X
= T 132x43     9x9   1188x387      16/256K .  B800 Diamond Stealth 24
= T 132x43     8x8       .      .      .  B800 Diamond Stealth64 Video
2xx1
= T 132x43     8x8   1056x350      16/256K .  .  Cirrus CL-
GD5420/5422/5426
= T 132x50     8x8       .      16      .  A000 NCR 77C22 [9]
= G 100x42     8x14   800x600      16      .  A000 ATI EGA Wonder, VGA
Wonder
= G 100x42     8x14   800x600      16      .  A000 ATI Ultra 8514A, ATI XL
= G      .      .      800x600      256      .  A000 Oak VGA
= G 100x37     8x16   800x600      256      .  A000 Oak OTI-067/077 chips
[8]

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55h = T 80x66 8x8 . 16/256K . A000 ATI VIP

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= T 132x25     8x14      .      .      .  Paradise EGA-480
= T 132x25     8x14      .      .      .  NEL Electronics BIOS
= T 132x25     7x16      .      16/256K .  B800 Paradise VGA
= T 132x25     8x16      .      16/256K .  B800 Paradise VGA on multisync
= T 132x25     .      .      .      .      .  Taxan 565 EGA
= T 132x25     .      .      .      .      .  AST VGA Plus
= T 132x25     .      .      .      .      .  Hewlett-Packard D1180A
= T 132x25     7x16      .      16      .  AT&T VDC600
= T 132x25     8x16      .      16      .  A000 NCR 77C22 [9]
= T 132x25     9x16   1188x400      16/256K .  B800 WD90C
= T 132x25     9x16   1188x400      16/256K .  B800 Diamond Speedstar 24X

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= T 132x25 9x16 1188x400 16/256K . B800 Diamond Stealth 24
= T 132x25 8x16 . . . B800 Diamond Stealth64 Video
2xx1
= T 132x25 8x14 1056x350 16/256K . . Cirrus CL-
GD5420/5422/5426
= T 132x43 8x11 . 16/256K . B800 Trident TVGA 8800/8900
= G 94x29 8x14 752x410 . . . Lava Chrome II EGA
= G 128x48 8x16 1024x768 16/256K . A000 ATI VGA Wonder v4+ [5]
= G . . 1024x768 16/256K . . ATI VGA Wonder Plus
= G . . 1024x768 16/256K . . ATI Ultra 8514A,ATI XL
= G 128x48 8x16 1024x768 4 . A000 Oak OTI-067/077 chips
[8]

```

56h = T 132x43 8x8 . 3??? 2 B000 NSI Smart EGA+

```

= T 132x43 7x9 . 4 . B000 Paradise VGA
= T 132x43 8x9 . 4 . B000 Paradise VGA on multisync
= T 132x43 . . mono . . Taxan 565 EGA
= T 132x43 7x9 . 2 . . AT&T VDC600
= T 132x43 9x8 . . . NEL Electronics BIOS
= T 132x50 8x8 . 4 . A000 NCR 77C22 [9]
= T 132x60 8x8 . 16/256K . B800 Trident TVGA 8800/8900
= G . . 1024x768 16 . A000 Oak VGA
= G 128x48 8x16 1024x768 16 . A000 Oak OTI-067/077 chips
[8]

```

57h = T 132x25 8x14 . 3??? 4 B000 NSI Smart EGA+

```

= T 132x25 7x16 . 4 . B000 Paradise VGA
= T 132x25 8x16 . 4 . B000 Paradise VGA on multisync
= T 132x25 9x14 . . . NEL Electronics BIOS
= T 132x25 . . mono . . Taxan 565 EGA
= T 132x25 7x16 . 2 . . AT&T VDC600
= T 132x25 9x14 . 16/256K . B800 Trident TVGA 8800/8900
= T 132x25 8x16 . 4 . A000 NCR 77C22 [9]
= G 96x48 8x16 768x1024 16 . A000 Oak OTI-067/077 chips
[8]

```

58h = T 80x33 8x14 . 16 . B800 ATI EGA Wonder,ATI VIP

```

= T 80x32 9x16 . 16 . . Genoa 6400
= T 80x43 8x8 . . . NEL Electronics BIOS
= T 132x30 9x16 . 16/256K . B800 Trident TVGA 8800/8900
= G 100x75 8x8 800x600 16/256K . A000 Paradise VGA
= G 100x75 8x8 800x600 16 . . AT&T VDC600
= G 100x75 8x8 800x600 16 . A000 NCR 77C22 [9]
= G 100x75 8x8 800x600 16 . A000 Diamond Speedstar 24X
= G 100x75 8x8 800x600 16/256K . A000 Paradise VGA, WD90C
= G . . 800x600 16 . . AST VGA Plus, Compaq VGA
= G . . 800x600 16 . . Dell VGA
= G . . 800x600 16 . . Hewlett-Packard D1180A

```

```

= G      .      .      800x600    ???      .      .      ELT VGA PLUS 16
= G 100x37    8x16    800x600    16/256K    .      A000 Cirrus CL-
GD5420/5422/5426
= G 160x64    8x16   1280x1024    16      .      A000 Oak OTI-077 chipset [8]

```

59h = T 80x43 9x8 . . . . NEL Electronics BIOS

```

= T  80x66    8x8      .      16/256K    .      A000 ATI VIP
= T 132x43    9x11     .      16/256K    .      B800 Trident TVGA 8800/8900
= G 100x75    8x8     800x600    2      .      A000 Paradise VGA
= G 100x75    8x8     800x600    2      .      . AT&T VDC600
= G      .      .      800x600    2      .      . AST VGA Plus, Compaq VGA
= G      .      .      800x600    2      .      . Dell VGA
= G      .      .      800x600    2      .      . Hewlett-Packard D1180A
= G 100x75    8x8     800x600    2      .      A000 NCR 77C22 [9]
= G 128x48    8x16   1024x768   256     .      A000 Oak OTI-077 chipset [8]

```

5Ah = T 80x60 8x8 . . . . NEL Electronics BIOS

```

= T 132x60    9x8      .      16/256K    .      B800 Trident TVGA 8800/8900
= G 128x48    8x16   1024x768    2      .      A000 NCR 77C22 [9]

```

5Bh = T 80x30 8x16 . . . B800 ATI VGA Wonder (undoc)

```

= G      .      .      640x350    256     .      .      Genoa 6400
= G  80x25    8x16    640x400    32K     .      A000 Oak OTI-067/077 chips
[8]
= G      .      .      800x600    16      .      .      Maxxon, SEFCO TVGA, Imtec
= G 100x75    8x8     800x600    16/256K    .      A000 Trident TVGA 8800, 8900
= G      .      .      800x600    ???     .      .      Vobis MVGA
= G 100x37    8x16    800x600    .      .      .      NEL Electronics BIOS
= G 128x48    8x16   1024x768    16      .      A000 NCR 77C22 [1,9]

```

5Ch = T 100x37 8x16 . . . . NEL Electronics BIOS

```

= G      .      .      640x400    256     .      .      Logix, ATI Prism Elite
= G      .      .      640x400    256     .      .      Maxxon, SEFCO TVGA, Imtec
= G  80x25    8x16    640x400    256/256K    .      A000 Zymos Poach, Hi Res 512
= G  80x25    8x16    640x400    256/256K    .      A000 Trident TVGA 8800/8900
= G  80x30    8x16    640x480    256     .      .      Genoa 6400
= G  80x30    8x16    640x480    32K     .      A000 Oak OTI-077 chipset [8]
= G 100x75    8x8     800x600    256     .      A000 NCR 77C22 [9]
= G 100x75    8x8     800x600    256/256K    .      A000 WD90C
= G 100x75    8x8     800x600    256/256K    .      A000 Diamond Speedstar 24X
= G 100x37    8x16    800x600    256/256K    .      A000 Cirrus CL-
GD5420/5422/5426

```

5Dh = T 100x75 8x8 . . . . NEL Electronics BIOS

```

= G  80x25    8x14    640x350    64K     .      .      STB Lightspeed

```

## ET4000/W32P

```

= G      .      .      640x480      256      .      .      Logix, ATI Prism Elite
= G      .      .      640x480      256      .      .      Maxxon, SEFCO TVGA, Imtec
= G  80x30      8x16  640x480      256/256K      .      A000 Zymos Poach, Hi Res 512
= G  80x30      8x16  640x480      256/256K      .      A000 Trident TVGA 8800
(512K)
= G 128x48      8x16 1024x768      16      .      A000 NCR 77C22 [9]
= G 128x48      8x16 1024x768      16/256K      .      A000 WD90C
= G 128x48      8x16 1024x768      16      .      A000 Diamond Speedstar 24X
= G 128x48      8x16 1024x768      16/256K      .      A000 Cirrus CL-
GD5420/5422/5426

```

5Eh = G . . 640x400 256 . . Paradise VGA, VEGA VGA

```

= G      .      .      640x400      256      .      .      AST VGA Plus, NCR 77C22
= G      .      .      640x400      256      .      .      Compaq VGA, Dell VGA
= G  80x25      8x16  640x400      256      .      .      AT&T VDC600
= G  80x25      8x16  640x400      256      .      A000 NCR 77C22 [9]
= G  80x25      8x16  640x400      256/256K      .      A000 WD90C
= G  80x25      8x16  640x400      256/256K      .      A000 Diamond Speedstar 24X
= G      .      .      800x600      16      .      .      Logix, ATI Prism Elite
= G 100x37      8x16  800x600      16      .      .      NEL Electronics BIOS
= G 100x75      8x8   800x600      256      .      .      Genoa 6400
= G 100x75      8x8   800x600      256/256K      .      A000 Zymos Poach, Trident
8900
= G 100x75      8x8   800x600      256/256K      .      A000 Hi Res 512

```

5Fh = G 80x25 8x16 640x400 64K . . STB Lightspeed ET4000/W32P

```

= G      .      .      640x480      256      .      .      Paradise VGA
= G      .      .      640x480      256      .      .      AST VGA Plus, NCR 77C22
= G      .      .      640x480      256      .      .      Compaq VGA, Dell VGA
= G      .      .      640x480      256      .      .      Hewlett-Packard D1180A
= G  80x30      8x16  640x480      256      .      .      AT&T VDC600 (512K)
= G  80x30      8x16  640x480      256      .      A000 NCR 77C22 [9]
= G  80x30      8x16  640x480      256/256K      .      A000 WD90C
= G  80x30      8x16  640x480      256/256K      .      A000 Diamond Speedstar 24X
= G  80x30      8x16  640x480      256/256K      .      A000 Cirrus CL-
GD5420/5422/5426
= G      .      .      1024x768      16      .      .      Logix, ATI Prism Elite
= G      .      .      1024x768      16      .      .      Maxxon, Imtec
= G 128x48      8x16 1024x768      16      .      .      Genoa 6400
= G 128x48      8x16 1024x768      16/256K      .      A000 Zymos Poach, Hi Res 512
= G 128x48      8x16 1024x768      16/256K      .      A000 Trident TVGA 88/8900
512K

```

60h = T 132x25 8x14 . 16/64 8 B800 Quadram Ultra VGA

```

= T 132x25      8x14      .      16      .      .      Genoa 6400
= T 132x25      8x14      .      16      .      .      Genoa SuperEGA BIOS 3.0+
= T 132x25      .      .      .      .      .      Cirrus 5320 chipset

```

|                  |        |      |          |          |   |                              |
|------------------|--------|------|----------|----------|---|------------------------------|
| = T              | 132x25 | 8x16 | 1056x400 | 16       | . | B800 Chips&Technologies      |
| chipset          |        |      |          |          |   |                              |
| = G              | 80x??? | .    | ???x400  | .        | . | Corona/Cordata BIOS 4.10+    |
| = G              | 80x25  | 8x16 | 640x400  | 256      | 1 | A000 Ahead A, Ahead B        |
| = G              | .      | .    | 752x410  | .        | . | VEGA VGA                     |
| = G              | .      | .    | 752x410  | 16       | . | Tatung VGA                   |
| = G              | .      | .    | 752x410  | 16       | . | Video7 V-RAM VGA             |
| = G              | 128x48 | 8x16 | 1024x768 | 4/256K   | . | A000 Trident TVGA 8900       |
| = G              | 128x48 | 8x16 | 1024x768 | 256/256K | . | A000 WD90C                   |
| = G              | 128x48 | 8x16 | 1024x768 | 256/256K | . | A000 Diamond Speedstar 24X   |
| = G              | 128x48 | 8x16 | 1024x768 | 256/256K | . | A000 Cirrus CL-              |
| GD5420/5422/5426 |        |      |          |          |   |                              |
| = G              | 144x54 | 8x16 | 1152x864 | .        | . | A000 Diamond Stealth64 Video |
| 2xx1             |        |      |          |          |   |                              |

61h = T 132x29 8x12 . 16/64 8 B800 Quadram Ultra VGA

|         |        |      |          |         |   |                               |
|---------|--------|------|----------|---------|---|-------------------------------|
| = T     | 132x29 | 8x8  | .        | 16      | . | Genoa 6400                    |
| = T     | 132x29 | 8x8  | .        | 16      | . | Genoa SuperEGA BIOS 3.0+      |
| = T     | 132x50 | .    | .        | .       | . | Cirrus 5320 chipset           |
| = T     | 132x50 | 8x8  | 1056x400 | 16      | . | B800 Chips&Technologies       |
| chipset |        |      |          |         |   |                               |
| = T     | 132x50 | 8x16 | 1056x800 | 16      | . | B800 Chips&Technologies 64310 |
| = G     | .      | .    | ???x400  | .       | . | Corona/Cordata BIOS 4.10+     |
| = G     | 80x25  | 8x16 | 640x400  | 256     | . | A000 ATI VGA Wonder,VGA       |
| Wonder+ |        |      |          |         |   |                               |
| = G     | 80x25  | 8x16 | 640x400  | 256     | . | A000 ATI Ultra 8514A,ATI XL   |
| = G     | 80x25  | 8x16 | 640x400  | .       | . | A000 Diamond Stealth64 Video  |
| 2xx1    |        |      |          |         |   |                               |
| = G     | 80x30  | 8x16 | 640x480  | 256     | 1 | A000 Ahead A, Ahead B (512K)  |
| = G     | .      | .    | 720x540  | .       | . | VEGA VGA                      |
| = G     | .      | .    | 720x540  | 16      | . | Tatung VGA                    |
| = G     | .      | .    | 720x540  | 16      | . | Video7 V-RAM VGA              |
| = G     | 96x64  | 8x16 | 768x1024 | 16/256K | . | A000 Trident TVGA 88/8900     |
| 512K    |        |      |          |         |   |                               |
| = G     | 128x48 | 8x16 | 1024x768 | 256     | . | A000 NCR 77C22 [1,9]          |
| = G     | 144x54 | 8x16 | 1152x864 | .       | . | A000 Diamond Stealth64 Video  |
| 2xx1    |        |      |          |         |   |                               |

62h = T 132x32 8x11 . 16/64 6 B800 Quadram Ultra VGA

|         |        |      |          |     |   |                             |
|---------|--------|------|----------|-----|---|-----------------------------|
| = T     | 132x32 | 8x12 | .        | 16  | . | Genoa 6400                  |
| = T     | 132x32 | 8x11 | .        | 16  | . | Genoa SuperEGA BIOS 3.0+    |
| = T     | 132x43 | 8x8  | 1056x344 | 16  | . | B800 C&T 82C450 BIOS        |
| = G     | .      | .    | 640x450  | 16  | . | Cirrus 510/520 chipset      |
| = G     | 80x30  | 8x16 | 640x480  | 256 | . | A000 ATI VGA Wonder,VGA     |
| Wonder+ |        |      |          |     |   |                             |
| = G     | 80x30  | 8x16 | 640x480  | 256 | . | A000 ATI Ultra 8514A,ATI XL |
| = G     | 80x30  | 8x16 | 640x480  | 32K | . | A000 WD90C                  |
| = G     | 80x30  | 8x16 | 640x480  | 32K | . | A000 Diamond Speedstar 24X  |

```

= G      .      .      800x600      .      .      .      VEGA VGA
= G      .      .      800x600      16      .      .      Tatung VGA
= G      .      .      800x600      16      .      .      Video7 V-RAM VGA
= G 100x75      8x8      800x600      256      1      A000 Ahead A, Ahead B (512K)
= G 128x48      8x16 1024x768      256/256K      .      A000 Trident TVGA 8900,
Zymos
= G 128x48      8x16 1024x768      256      .      A000 NCR 77C22 [9]

```

63h = T 132x44 8x8 . 16/64 5 B800 Quadram Ultra VGA

```

= T 132x44      8x8      .      16      .      .      Genoa 6400
= T 132x44      8x8      .      16      .      .      Genoa SuperEGA BIOS 3.0+
= G      .      .      720x540      16      .      .      MORSE VGA
= G      .      .      720x540      16      .      .      Cirrus 510/520 chipset
= G 100x42      8x14 800x600      256      .      A000 ATI VGA Wonder,VGA
Wonder+
= G 100x42      8x14 800x600      256      .      A000 ATI Ultra 8514A,ATI XL
= G      .      .      800x600      32K      .      A000 WD90C
= G      .      .      800x600      32K      .      A000 Diamond Speedstar 24X
= G 128x48      7x16 1024x768      256      1      A000 Ahead B (1MB)
= G      .      .      1024x768      2      .      .      Video7 V-RAM VGA

```

64h = T 132x60 8x8 . 16 . . Genoa 6400

```

= T 80x43      8x8 528x344      16      .      B800 C&T 82C450 BIOS
= G      .      .      640x480      64K      .      A000 Cirrus CL-GD 5422/5426
= G      .      .      800x600      16      .      .      MORSE VGA
= G      .      .      800x600      16      .      .      Cirrus 510/520 chipset
= G      .      .      800x600      ???      .      .      SAMPO-Mira VGA
= G      .      .      1024x768      4      .      .      Video7 V-RAM VGA
= G 128x48      8x16 1024x768      256      .      A000 ATI VGA Wonder Plus,ATI
XL
= G 160x64      8x16 1280x1024      16/256K      .      A000 WD90C [1]
= G 160x64      8x16 1280x1024      16/256K      .      A000 Diamond Speedstar 24X
[1]

```

65h = T 80x50 8x8 528x400 16 . B800 C&T 82C450 BIOS

```

= G      .      .      800x600      64K      .      A000 Cirrus CL-GD 5422/5426
= G      .      .      1024x768      16      .      .      Video7 V-RAM VGA
= G 128x48      8x16 1024x768      16      .      A000 ATI VGA Wonder

```

66h = T 80x50 8x8 640x400 16/256K . B800 WD90C

```

= T 80x50      8x8      .      16      .      B800 Diamond Speedstar 24X
= G      .      .      640x400      256      .      .      Tatung VGA
= G      .      .      640x400      256      .      .      Video7 V-RAM VGA
= G      .      .      640x480      32K      .      A000 Cirrus CL-GD 5422/5426

```

67h = T 80x43 8x8 640x344 16/256K . B800 WD90C

```
= T 80x43      8x8      .      16      .      B800 Diamond Speedstar 24X
= G      .      .      640x480    256      .      .      Video7 V-RAM VGA
= G      .      .      800x600    32K      .      A000 Cirrus CL-GD 5422/5426
= G 128x48     8x16 1024x768      4      .      A000 ATI VGA Wonder
= G 160x64     8x16 1280x1024     16      .      A000 NCR 77C22 [1,9]
```

68h = G 80x25 8x16 640x400 . . A000 Diamond Stealth64 Video 2xx1 69h = T 132x50 8x8  
1056x400 16/256K . B800 WD90C

```
= T 132x50     8x8      .      16      .      B800 Diamond Speedstar 24X
= G 80x30      8x16 640x480      .      .      A000 Diamond Stealth64 Video
2xx1
= G      .      .      720x540    256      .      A000 Video7 V-RAM VGA
```

6Ah = G . . 800x600 16 . A000 VESA standard interface

```
= G 100x75     8x8      800x600    16      .      A000 Genoa 6400
= G 100x75     8x8      800x600    16      .      A000 Diamond Speedstar 24X
= G      .      .      800x600    16      .      A000 Ahead A
= G 100x75     8x8      800x600    16      1      A000 Ahead B (VESA) [see 71h]
= G      .      .      800x600    16      .      .      Zymos Poach, Hi Res 512
= G      .      .      800x600    16      .      .      Epson LT-386SX in CRT Mode
= G      .      .      800x600    16      .      .      Compuadd 316SL in CRT Mode
= G 100x37     8x16 800x600      16/256K .      A000 Cirrus CL-
GD5420/5422/5426
= G 100x37     8x16 800x600      16      .      A000 Diamond Stealth64 Video
2xx1
= G 100x42     8x14 800x600      .      .      A000 ATI VGA Wonder (undoc)
= G      .      .      800x600    16      .      A000 Chips&Technologies chipset
= G 160x64     8x16 1280x1024 256      .      A000 NCR 77C22 [1,9]
```

6Bh = T 100x37 8x16 . 16 . . Genoa 6400

```
= T 100x37     8x16      .      .      .      .      NEL Electronics BIOS
= G 100x37     8x16 800x600      .      .      A000 Diamond Stealth64 Video
2xx1
```

6Ch = G 80x30 8x16 640x480 16M . A000 Trident 8900CL/BIOS C04

```
= G 100x75     8x8      800x600    256      .      .      Genoa 6400
= G 128x48     8x16 1024x768      2      .      A000 Diamond Stealth64 Video
2xx1
= G 160x60     8x16 1280x960      16/256K .      A000 WD90C [1]
= G 160x60     8x16 1280x960      16/256K .      A000 Diamond Speedstar 24X
[1]
= G 160x64     8x16 1280x1024     16/256K .      A000 Cirrus CL-GD 5422/5426
[1]
```

6Dh = G 80x25 8x14 640x350 64K . A000 STB Lightspeed ET4000/W32P



```

    = G 128x48      8x16 1024x768      .      .      A000 Diamond Stealth64 Video
2xx1
    = G 160x64      8x16 1280x1024 256/256K .      A000 Cirrus CL-GD 5422/5426
[1]

```

6Eh = G 40x25 8x8 320x200 64K . A000 Cirrus CL-GD 5422/5426

```

    = G 160x64      8x16 1280x1024      2      .      A000 Diamond Stealth64 Video
2xx1

```

6Fh = G 40x25 8x8 320x200 16M . A000 Cirrus CL-GD 5422/5426

```

    = G 160x64      8x16 1280x1024      .      .      A000 Diamond Stealth64 Video
2xx1

```

70h = extended mode set (see AX=0070h) . Everex Micro Enhancer EGA

```

    = T 40x25      8x8      .      16      8      B800 Quadram (CGA double scan)
    = T 40x25      8x8      (CGA dblscan)      .      .      Genoa SuperEGA BIOS 3.0+
    = G      .      .      360x480      256      .      .      Cirrus 510/520/5320 chips
    = G 90x28      8x14 720x392      16      1      A000 Ahead B
    = G 80x30      8x16 640x480      .      .      A000 Diamond Stealth64 Video
2xx1
    = G 100x38     8x16 800x600      16      .      A000 C&T chipset, Cardinal
    = G      .      .      1024x480      256      .      A000 Trident 8900C BIOS C3.0

```

71h = T 80x25 8x8 . 16 8 B800 Quadram (CGA double scan)

```

    = T 80x25      8x8      (CGA dblscan)      .      .      Genoa SuperEGA BIOS 3.0+
    = G      .      .      528x400      256      .      .      Cirrus 510/520 chipset
    = G 80x30      8x16 640x480      16M      .      A000 Cirrus CL-GD 5422/5426
    = G 80x30      8x16 640x480      .      .      A000 Diamond Stealth64 Video
2xx1
    = G 100x35     8x16 800x600      16/64      .      A000 NSI Smart EGA+
    = G 100x75     8x8 800x600      16      1      A000 Ahead B (same as 6Ah)
    = G      .      .      960x720      16      .      .      C&T chipset, Cardinal
    = G      .      .      1024x480      256      .      A000 Trident 8900C BIOS C3.0

```

72h = T 80x60 8x8 . 16 . B800 Quadram Ultra VGA

```

    = T 80x60      8x8      .      16      .      B800 Genoa 6400
    = T 80x60      8x8      .      16      .      B800 Genoa SuperEGA BIOS 3.0+
    = G      .      .      528x480      256      .      .      Cirrus 510/520 chipset
    = G 80x25      8x19 640x480      16      1      A000 DOS/V w/ any VGA
    = G 80x30      8x16 640x480      .      .      A000 Diamond Stealth64 Video
2xx1
    = G      .      .      640x480      32K      .      A000 ATI
    = G      .      .      640x480      16M      .      A000 WD90C
    = G      .      .      640x480      16M      .      A000 Diamond Speedstar 24X
    = G      .      .      1024x768      16      .      .      C&T chipset, Cardinal

```

```
= G 128x48      8x16 1024x768i    16      .    A000 C&T 82C450 BIOS
= G 128x48      8x16 1024x768     16      .    A000 C&T 65530 BIOS
(multisync)
```

73h = G 80x60 8x8 640x480 16 . A000 Quadram Ultra VGA

```
= G   80x60      8x8   640x480     16      .      .   Genoa 6400
= G   80x60      8x8   640x480     16      .      .   Genoa SuperEGA BIOS 3.0+
= G  100x37      8x16   800x600      .      .    A000 Diamond Stealth64 Video
2xx1
= T   80x25      8x19   640x475     16      1   none DOS/V, emulated in VGA
graph
```

74h = T 80x66 8x8 . 16 . B800 Quadram Ultra VGA

```
= T   80x66      8x8      .         16      .    B800 Genoa 6400
= T   80x66      8x8      .         16      .    B800 Genoa SuperEGA BIOS 3.0+
= G      .      .        640x400     2      .    B800 Toshiba 3100 AT&T mode
= G   80x30      8x16   640x480     32K     .    A000 Trident 8900C/BIOS C03
= G  100x37      8x16   800x600      .      .    A000 Diamond Stealth64 Video
2xx1
= G  128x48      8x16  1024x768     16      1   A000 Ahead A, Ahead B (512K)
= G      .      .        1024x768    64K     .    A000 Cirrus CL-GD 5422/5426 [1]
```

75h = G 80x30 8x16 640x480 64K . A000 Trident 8900C/BIOS C03

```
= G   80x66      .        640x528    16???   .    A000 Quadram Ultra VGA
= G   80x66      .        640x528    16      .      .   Genoa SuperEGA BIOS 3.0+
= G  100x37      8x16   800x600      .      .    A000 Diamond Stealth64 Video
2xx1
= G  128x48      8x16  1024x768      4      1   A000 Ahead B
= G  128x48      8x16  1024x768     16      .    A000 Chips&Technologies 64310
```

76h = T 94x29 8x14 . 16 . B800 Quadram Ultra VGA

```
= T   94x29      8x14      .         .      .      .   Genoa SuperEGA BIOS 3.0+
= G  100x75      8x8   800x600     32K     .    A000 Trident 8900C/BIOS C03
= G  128x48      8x16  1024x768      2      1   A000 Ahead B
= G  128x48      8x16  1024x768      .      .    A000 Diamond Stealth64 Video
2xx1
= G  160x64      8x16  1280x1024     16      .    A000 Chips&Technologies
64310 [1]
```

77h = G 94x29 . 752x410 16??? . A000 Quadram Ultra VGA

```
= G   94x29      .        752x410     16      .      .   Genoa SuperEGA BIOS 3.0+
= G  100x75      8x8   800x600     64K     .    A000 Trident 8900C/BIOS C03
= G  128x48      8x16  1024x768      .      .    A000 Diamond Stealth64 Video
2xx1
```

78h = T 100×37 8×16 . 16 . . Genoa 6400

```
= T 100x75      8x8      .      16      .      B800 Quadram Ultra VGA
= T 100x75      8x8      .      .      .      .      Genoa SuperEGA BIOS 3.0+
= G      .      .      640x400      256      .      .      STB VGA/EM-16 Plus
= G  80x25      8x16      640x400      256      .      .      Cardinal, C&T chipset
= G      .      .      640x400      256      .      .      Cirrus 5320 chipset
= G  80x25      8x16      640x400      256      .      .      A000 Chips&Technologies 64310
```

79h = G 80×30 8×16 640×480 256 . . Cardinal, C&T chipset

```
= G  80x30      8x16      640x480      256      .      .      A000 Chips&Technologies 64310
= G 100x75      .      800x600      16???      .      .      A000 Quadram Ultra VGA
= G 100x75      8x8      800x600      16      .      .      Genoa SuperEGA BIOS 3.0+
= G 100x75      8x8      800x600      16      .      .      Genoa 6400
```

7Ah = T 114×60 8×8 . 16 . B800 Quadram Ultra VGA

```
= T 114x60      8x8      .      .      .      .      Genoa SuperEGA BIOS 3.0+
= G      .      .      720x540      256      .      .      C&T chipset, Cardinal
```

7Bh = G . . 800×600 256 . . C&T chipset, Cardinal

```
= G 114x60      .      912x480      16???      .      .      A000 Quadram Ultra VGA
= G      .      .      912x480      16      .      .      Genoa SuperEGA BIOS 3.0+
```

7Ch = G . . 512×512 16 . . Genoa

```
= G 100x37      8x16      800x600      256      .      .      C&T 82C453/F65530
chipsets
= G 100x37      8x16      800x600      256      .      .      A000 Chips&Technologies 64310
= G 200x75      8x16      1600x1200      . [16]      .      A000 Diamond Stealth64
Video 2xx1
```

7Dh = G 64×32 8×16 512×512 256 . . Genoa 7Eh = special mode set (see AX=007Eh) . Paradise VGA, AT&T VDC600

```
= G  80x25      8x16      640x400      256      .      .      Genoa 6400
= G      .      .      1024x768      256      .      .      C&T 82C453 chipset
= G 128x48      8x16      1024x768      256      .      .      A000 Chips&Technologies 64310
= G  90x43      .      .      mono      .      .      B000 HERCULES.COM on HGC [14]
```

7Fh = special function set (see AX=007Fh/BH=00h) Paradise VGA, AT&T VDC600

```
= G 128x48      8x16      1024x768      4      .      .      Genoa 6400
= G  90x29      .      .      mono      .      .      B000 HERCULES.COM on HGC [14]
```

82h = T 80×25 . . B&W . . AT&T VDC overlay mode [6] 83h = T 80×25 . . . . . AT&T VDC overlay mode [6] 86h = G . . 640×200 B&W . . AT&T VDC overlay mode [6] 88h = G 90×43 8×8 720×348 mono . B000 Hercules + MSHERC.COM C0h = G . . 640×400 2/prog palette . AT&T VDC overlay mode [6]

```
= G . . 640x400 2/prog palette . Olivetti Quaderno overlay
```

C4h = disable output . . . AT&T VDC overlay mode [6] C8h = G 80x50 8x8 640x400 2 . B800 Olivetti Quaderno overlay D0h = G . . 640x400 2 . B800 DEC VAXmate AT&T mode Notes: [1] interlaced only [2] for ATI EGA Wonder, mode 08h is only valid if SMS.COM is loaded resident.

SMS maps mode 08h to mode 27h if the byte at location 0040:0063 is 0B4h, otherwise to mode 23h, thus selecting the appropriate (monochrome or color) 132x25 character mode.

for ATI VGA Wonder, mode 08h is the same, and only valid if VCONFIG loaded resident

[3] early XGA boards support 132-column text but do not have this BIOS mode [4] DESQview intercepts calls to change into these two modes (21h is page 0,

22h is page 1) even if there is no Hercules graphics board installed

[5] ATI BIOS v4-1.00 has a text-scrolling bug in this mode [6] for AT&T VDC overlay modes, BL contains the DEB mode, which may be 06h,

40h, or 44h

[7] BIOS text support is broken in this undocumented mode; scrolling moves

only about 1/3 of the screen (and does even that portion incorrectly), while screen clears only clear about 3/4.

[8] The Oak OTI-037/067/077 modes are present in the Oak VGA BIOS, which OEMs

may choose to use only partially or not at all; thus, not all Oak boards support all "Oak" modes listed here

[9] this card uses the full 128K A000h-BFFFh range for the video buffer,

precluding the use of a monochrome adapter in the same system

[10] mode 17h supported by Tseng ET4000 BIOS 8.01X dated 1990/09/14, but not

v8.01X dated 1992/02/28; mode 21h supported by 1992/02/28 version but not  
1990/09/14 version

[11] HERKULES simulates a 90x45 text mode in Hercules graphics mode; the

installation check for HERKULES.COM is the signature "Herkules" two bytes beyond the INT 10 handler

[12] The Realtek RTVGA BIOS v3.C10 crashes when attempting to switch into

modes 21h or 27h; this version of the BIOS also sets the BIOS data area incorrectly for extended text modes, resulting in scrolling after only 24 lines (the VMODE.EXE utility does set the data area correctly)

[13] The Tandy 1000SL/TL BIOS does not actually support this mode [14] HERCULES.COM is a graphics-mode BIOS extension for Hercules-compatible

graphics cards by Soft Warehouse, Inc. Its installation check is to test whether the word preceding the INT 10 handler is 4137h.

[15] The Hercules-graphics video modes for HERCBIOS (shareware by Dave

Tutelman) may be changed by a command-line switch; the 90x43 character-cell mode's number is always one higher than the 90x29 mode (whose default is mode 08h)

[16] Stealth64 Video 2001-series BIOS v1.03 reports 76 lines for mode 7Ch,

resulting in incorrect scrolling for TTY output (scrolling occurs only after the end of the 76th line, which is not displayed)

[17] For 43-line text on EGA or 43/50-line text on VGA, you must load an 8x8

font using AX=1102h after switching to mode 3; VGA may also require using INT 10/AH=12h/BL=30h

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