

NVIDIA

GeForce4 MX420/440/460



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1. GeForce4 MX420/440/460 □□□□□□

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1-1 □□ NVIDIA GeForce4 MX420

Graphics Core (□□□□□□)□256 bit

Memory Interface (□□□□□)□64-bit SDR

Fill Rate (□□□□)□1 Billion AA Samples/Sec.

Triangles(□□□□) :31 Million/Sec

Memory Bandwidth (□□□□□)□2.7GB/Sec.

1-2 □□ NVIDIA GeForce4 MX440

Graphics Core (□□□□□□)□256 bit

Memory Interface (□□□□□)□128-bit DDR

Fill Rate (□□□□)□1.1 Billion AA Samples/Sec.

Triangles(□□□□) :34 Million/Sec

Memory Bandwidth (□□□□□)□6.4GB/Sec.

1-3 □□ NVIDIA GeForce4 MX460

Graphics Core (□□□□□□)□256 bit

Memory Interface (□□□□□)□128-bit DDR

Fill Rate (□□□□)□1.2 Billion AA Samples/Sec.

Triangles(□□□□) :38 Million/Sec

Memory Bandwidth (□□□□□)□8.8GB/Sec.

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GeForce4 MX420/440/460□64MB

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GeForce4 MX420/440/460□AGP 2X/4X

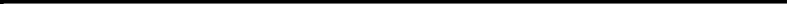
2. Resolution (Resolution)

| Resolution | BPP | Memory Req. | Resolution(HZ) Refresh Rate |
|------------|-----|-------------|--|
| 640*480 | 8 | 1MB | 60/70/72/75/85/100/120/140/144/150/170/200/240 |
| 640*480 | 16 | 1MB | 60/70/72/75/85/100/120/140/144/150/170/200/240 |
| 640*480 | 32 | 2MB | 60/70/72/75/85/100/120/140/144/150/170/200/240 |
| 800*600 | 8 | 1MB | 60/70/72/75/85/100/120/140/144/170/200/240 |
| 800*600 | 16 | 1MB | 60/70/72/75/85/100/120/140/144/170/200/240 |
| 800*600 | 32 | 2MB | 60/70/72/75/85/100/120/140/144/170/200/240 |
| 1024*768 | 8 | 1MB | 60/70/72/75/85/100/120/140/144/150/170/200/240 |
| 1024*768 | 16 | 2MB | 60/70/72/75/85/100/120/140/144/150/170/200/240 |
| 1024*768 | 32 | 4MB | 60/70/72/75/85/100/120/140/144/150/170/200 |
| 1152*864 | 8 | 1MB | 60/70/72/75/85/100/120/140/144/150/170/200 |
| 1152*864 | 16 | 2MB | 60/70/72/75/85/100/120/140/144/150/170/200 |
| 1152*864 | 32 | 4MB | 60/70/72/75/85/100/120/140/150/170 |
| 1280*960 | 8 | 2MB | 60/70/72/75/85/100/120/140/144/150/170 |
| 1280*960 | 16 | 4MB | 60/70/72/75/85/100/120/140/144/150/170 |
| 1280*960 | 32 | 8MB | 60/70/72/75/85/100/120/140/150 |
| 1280*1024 | 8 | 2MB | 60/70/72/75/85/100/120/140/144/150/170 |
| 1280*1024 | 16 | 4MB | 60/70/72/75/85/100/120/140/144/150/170 |
| 1280*1024 | 32 | 8MB | 60/70/72/75/85/100/120/140/150 |
| 1600*900 | 8 | 2MB | 60/70/72/75/85/100/120/140/144/150 |
| 1600*900 | 16 | 4MB | 60/70/72/75/85/100/120/140/144/150 |

| | | | |
|-----------|----|------|------------------------|
| 1600*900 | 32 | 8MB | 60/70/72/75/85/100/120 |
| 1600*1200 | 8 | 2MB | 60/70/72/75/85/100/120 |
| 1600*1200 | 16 | 4MB | 60/70/72/75/85/100/120 |
| 1600*1200 | 32 | 8MB | 60/70/72/75/85/100 |
| 1920*1080 | 8 | 4MB | 60/70/72/75/85/100 |
| 1920*1080 | 16 | 8MB | 60/70/72/75/85/100 |
| 1920*1080 | 32 | 16MB | 60/70/72/75/85 |
| 1920*1200 | 8 | 4MB | 60/70/72/75/85/100 |
| 1920*1200 | 16 | 8MB | 60/70/72/75/85/100 |
| 1920*1200 | 32 | 16MB | 60/70/72/75/85 |
| 1920*1440 | 8 | 4MB | 60/70/72/75/85 |
| 1920*1440 | 16 | 8MB | 60/70/72/75/85 |
| 1920*1440 | 32 | 16MB | 60/70/75 |
| 2048*1536 | 8 | 4MB | 60/70/72/75 |
| 2048*1536 | 16 | 8MB | 60/70/72/75 |
| 2048*1536 | 32 | 16MB | 60 |

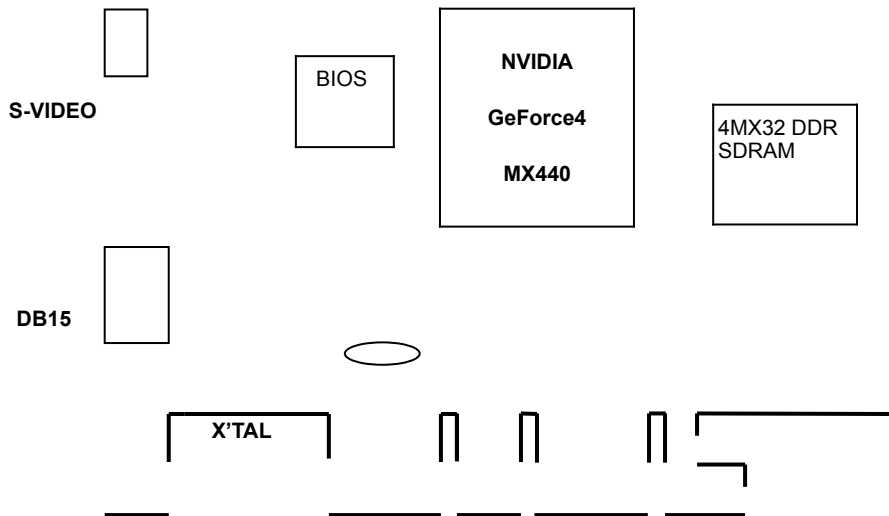
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3.1 GeForce4 MX440□4MX32 DDR SDRAMX4 PCS/64MB



Power Part

4MX32
DDR
SDRAM

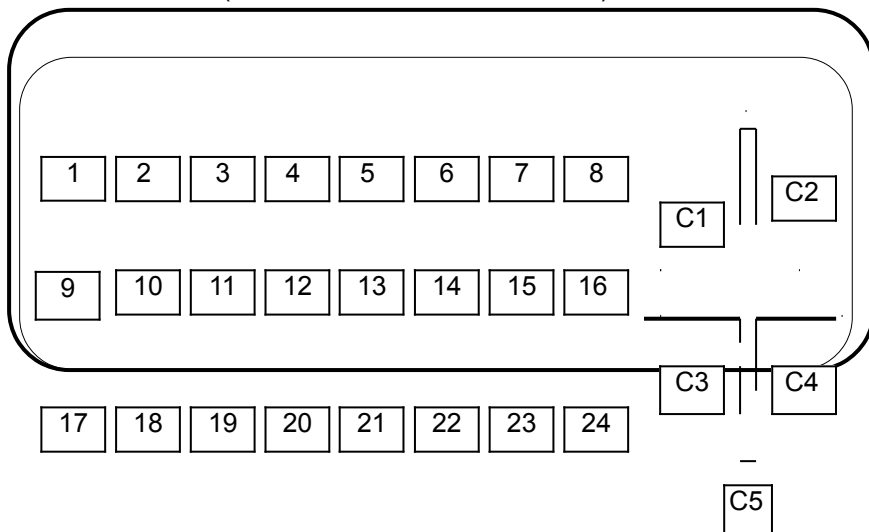


1.S-VIDEO □□□□□□□□□□

2.DB15 □□□□□□□□□□

□□□S-VIDEO □□□□□□□□□□□□□□□□

3.2 DVI □□□□□ (DVI □□□□□□□□□□□□□□□□)



“Micro Cross:”/high speed pins;

- C1 Analog Red Video Out
- C2 Analog Green Video Out
- C3 Analog Blue Video Out
- C4 Analog Horizontal Sync
- C5 Analog Common Ground Return (Red , Green , Blue Video Out)

Main Pin Field:

1. TMDS Data 2-
2. TMDS Data 2+
3. TMDS Data 2/4 Shield
4. TMDS Data 4-

5. TMDS Data 4+
6. DDC Clock
7. DDC Data
8. Analog Vertical Sync
9. TMDS Data 1-
10. TMDS Data1+
11. TMDS Data1/3 Shield
12. TMDS Data 3-
13. TMDS Data 3+
14. +5V Power
15. Ground (+5, Analog H/V Sync)
16. Hot Plug Detect
17. TMDS Data 0-
18. TMDS Data 0+
19. TMDS Data 0/5 Shield
20. TMDS Data 5-
21. TMDS Data 5+
22. TMDS Clock Shield
23. TMDS Clock
24. TMDS Clock

4. □□

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□□□ GeForce4 MX440 □□□□□□□□□□□□□□□□

□□□□“AGP”□□

Pentium □□□□□□□□□□

4.1

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2-

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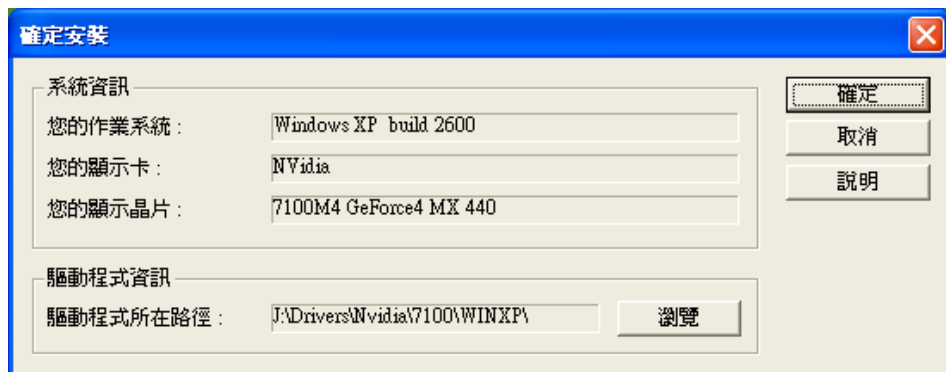
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4.2 Smart Installation

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5.3 XP

PCI VGA 2 (R)(V)(C)(P)... 2 (S)(N)(D)(N)(H)(C)X:DriversNVIDIAG7100WINXPB.inf (Y)

5.4 Win2000

PCI VGA RCHX:DriversNVIDIAG7100 \ WIN 2000B.inf (Y)