

Industrial Embedded Motherboard

2801112 Quick Reference

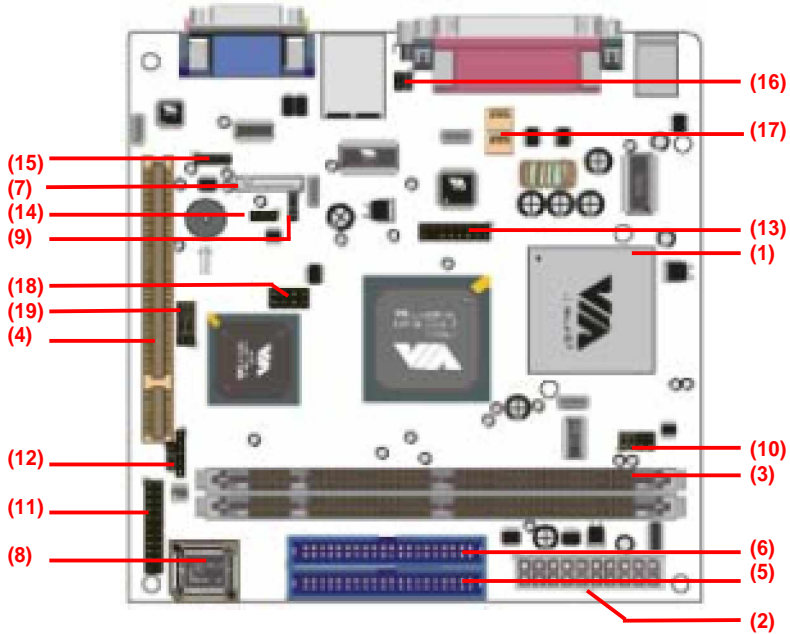
Embedded Eden Platform
 With Low Power Eden/C3 CPU
 VGA, LAN, Audio, TV-out
 Compact Mini-ITX Form Factor



Specifications

Form Factor	Mini-Flex ATX / Mini-ITX Motherboard, 170 x 170 mm (W x L)
CPU	Onboard embedded VIA Eden 533 MHz CPU at 133 MHz FSB Optional VIA Eden 667/400 and EBGA C3 800 MHz CPU
Memory	Two 168-pin DIMM slots support up to 1 GB PC133 SDRAM
Chipset	VIA 8601A and 8231with 266 Mbytes/Sec. of V-link
Real Time Clock	VIA 8231 integrated RTC with onboard lithium battery
Power Management	ACPI 1.0 compliant, supports power saving mode with ATX PSU
Expansive Slot	1 x PCI expansive slot
PCI Enhanced IDE	Dual UltraATA/100 IDE channels up to 4 ATAPI devices
VGA Interface	VIA 8601A chipset built-in Trident Blade 3D SVGA controller 3D/2D engine with 8 MB video memory Integrated TV-out interface with AV/S-video output
LAN Interface	VIA 8231 chipset built-in Fast Ethernet MAC with VIA 6103 PHY 10Base-T/100Base-TX auto-switching, IEEE802.3U compliant
Audio Interface	AC97 3D audio interface with line-in, line-out, CD-in, Mic-in
Multiple I/O Port	PS/2 keyboard and mouse, parallel and IrDA ports 4 x USB ports (two external and two internal USB ports) 1 x RS-232C serial ports
External I/O Port	PS/2 keyboard and mouse DB25 female LPT port, DB15 female VGA, AV-out, S-video out RJ45 LAN, dual USB DB9 male COM1, Audio Line-in/out
Power Requirement	Standard ATX power supply
Board Dimension	170 x 170 mm or 6.7 x 6.7 inches
Operation Temperature	0 ~ 60°C (32 ~ 140°F)

Jumper and Connector Location

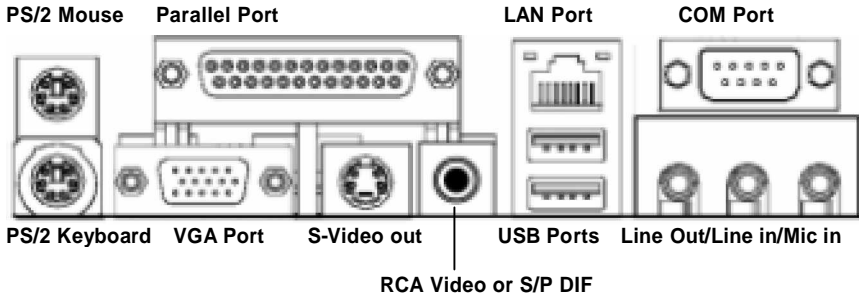


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|--------------------------------|--|
| 1. VIA Eden or EBCGA C3 CPU | 11. Front Panel Connector |
| 2. ATX Power Connector | 12. FIR Module Connector (J5) |
| 3. DIMM Sockets (DIMM1-2) | 13. Video in Connector (J12) |
| 4. PCI Expansion Slot | 14. Wake up on Modem (J8) |
| 5. IDE Connector (IDE1) | 15. CD ROM Line-in (J7) |
| 6. IDE Connector (IDE2) | 16. S/P DIF Output/RCA Video Output Select (J11) |
| 7. RTC Battery | 17. FAN Connector (FAN1/FAN2) |
| 8. Flash BIOS | 18. USB Port 3/4 Connector (J9) |
| 9. Clear CMOS (J10) | 19. CIR Module Connector (J6) |
| 10. Host Frequency (FSB) (J13) | |

Jumpers and Connectors

Jumpers		
J10	1-2	Normal Mode
	2-3	Clear CMOS
J11	1-2	RCA Video Output
	3-4	S/P DIF Output
J4	1-2	Disabled DOC BIOS
	2-3	Enabled DOC BIOS
J13	5-6,7-8	66Mhz
	3-4,7-8	100Mhz
	1-2,3-4	133Mhz
Connectors		
FAN1	CPU FAN Connector: This 3-pin header is used for connecting a CPU chipset fan.	
FAN2	System Fan Connector: This 3-pin header is for connecting the case fan that keeps the system cool.	
J7	CD ROM Line-in Connector: This 4-pin header is used for connecting the CD ROM audio input to the sound card.	
J8	Wake up on Modem connector: This 3-pin header is used for female wake up of the computer through a network card.	
J5	FIR Module Connector: This 5-pin header is used for connecting a FIR port for use of FIR device.	
J12	Video in Connector: This 16-pin header is used for connecting a video port for use of video devices.	
J6	CIR Module Connector: This 10-pin header is use for connecting a CIR device.	
J9	USB port 3&4 Connector: This 10-pin header is used for connecting a CIR device.	
CN2	COM Port Connector: RS-232 serial port on bracket	
CN3	USB 1/2 Connector and RJ45 Connector	
CN4	RCA Video or S/P DIF Jack	
CN5	S-Video Jack	

I/O Ports



Front Panel Connector

