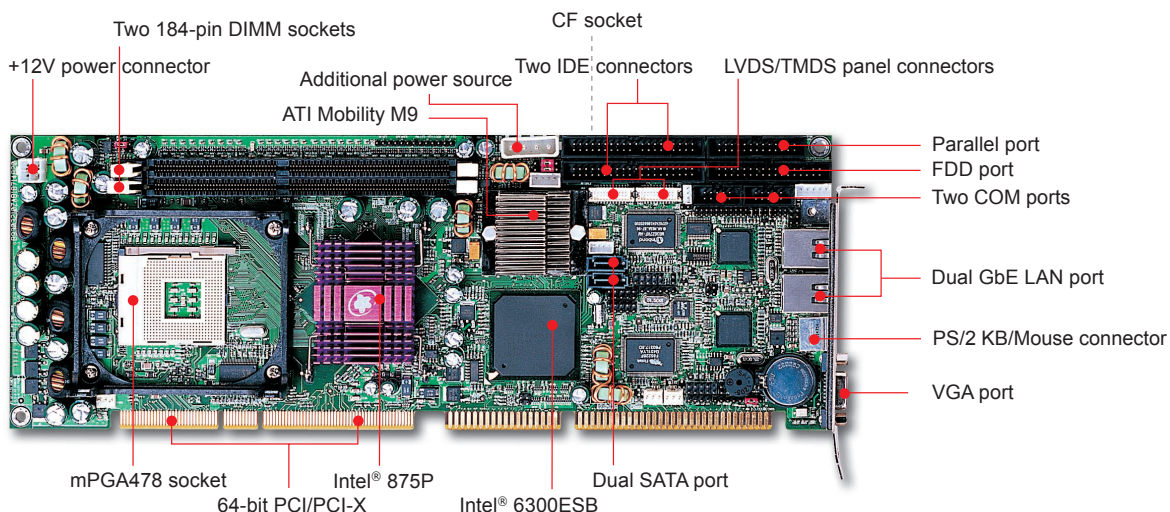


ROBO-8714VG2A

Intel® Pentium® 4 or Celeron® (D) processor based PICMG 64-bit SBC with DDR 400 SDRAM, AGP 4X VGA, Dual Gigabit Ethernet and Audio



FEATURES

- Intel® Pentium® 4 processor with Hyper-Threading technology runs at 800MHz FSB
- ECC function for data sensitive application
- ATI M9 graphics support dual view of LCD/CRT, TV/CRT, LCD/LCD and LCD/TV displays configuration
- Wire-speed Gigabit Ethernet based on Communication Streaming Architecture (CSA) with double throughput than PCI based Ethernet

GENERAL

Processor	CPU & Package: Intel® Pentium® 4 or Celeron® (D) processor in the mPGA478 package FSB: 800/533/400MHz
Chipset/Core Logic	Intel® 875P and 6300ESB
System Memory	- Up to 2GB dual channel DDR 400/333/266 SDRAM on two 184-pin DIMM sockets - ECC support
BIOS	Award BIOS
Storage Devices	Support four EIDE devices with Ultra DMA 100/66/33
Solid State Disk	- One Type II CF socket - On secondary EIDE channel - Bootable for no drives on primary channel
Watchdog Timer	Programmable via software from 0.5 sec. to 254.5 min.
Expansion Interface	N/A
Hardware Monitoring	System monitor (fan, temperature, voltage)
Power Requirement	Typical: +5V@6.0A; +12V(CPU)@5.7A; +12V(System)@0.8A
Dimension	Dimension : 338.5(L) x 122(W) mm; 13.33"(L) x 4.8" (W) PCB: 8-layer
Environment	Operating Temperature: 0 to 55°C Storage Temperature: -20 to 80°C Relative Humidity: 5% to 90%, non-condensing
MTBF	93,735 hrs

ORDERING GUIDE

Standard	ROBO-8714VG2A Socket 478 Pentium® 4 or Celeron® (D) processor based PICMG SBC with DDR 400 SDRAM, M9 w/64MB via AGP 4X, dual Gigabit Ethernet and Audio
Optional	DVI-D Cable TMDS adapter cable for DVI interface flat panel PA-M1ATU Multimedia kit for P4 SBC with audio, TV out and dual USB port

I/O

MIO	Two serial (selectable RS-232/422/485x1), one parallel, one FDD channel
IrDA	IrDA 1.0
Ethernet	- Dual 10BASE-T/100BASE-TX/1000BASE-T Ethernet port - Gigabit Ethernet controller based on CSA & PCI interfaces - Two RJ-45 connectors with two LED indicators on bracket
Audio	AC'97 2.2 Audio
USB	Four USB 2.0 ports
Keyboard & Mouse	- One 6-pin mini-DIN connector for keyboard and mouse - One 5-pin header for external keyboard connection

DISPLAY

Graphic Controller	ATI Mobility M9 graphics controller
Graphic Memory	64MB display memory
Display Interface	Support CRT, LVDS, TV-out & DVI(TMDS) display interfaces