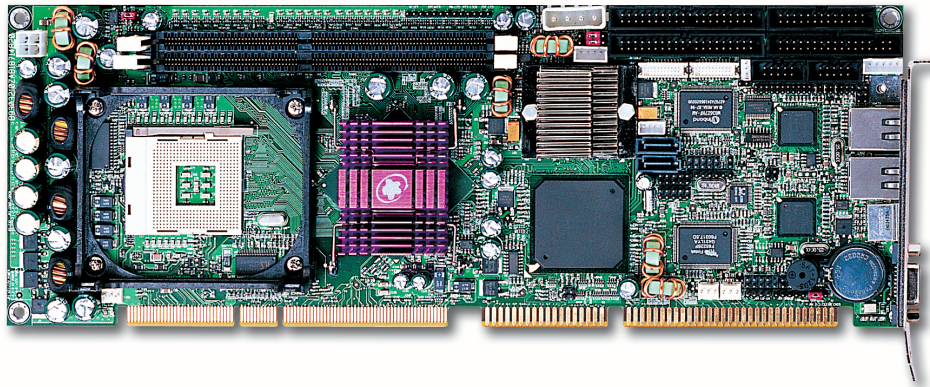


ROBO-8714UG2A

Intel® Pentium® 4 or Celeron® based PICMG 64-bit SBC with DDR SDRAM, VGA, Dual Gigabit Ethernet, AGP 8X M10 VGA, Audio and USB2.0



Features

- External Bus supports up to 64-bit/66MHz PCI-X bus for driving higher speed line cards
- High quality and reliable design for wider range Intel® Pentium® 4/Celeron® (0.13 micron & 90 nm process) processor support mission critical operation
- Dual on-board Gigabit Ethernet for network redundancy application
- Standard features for embedded system deployment like H/W monitoring, WDT, SSD and Wake-On-LAN

Ordering Guide

Standard ROBO-8714UG2A
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SYSTEM

CPU	CPU & Package: Intel® Pentium® 4 in the mPGA478 package
Chipset	Intel® 875G and 6300ESB
FSB	533/800MHz FSB
System Memory	Up to 2GB DDR 333/400 dual Channel SDRAM on two 184-pin DIMM sockets
BIOS	Award BIOS
Ethernet	-10Base-T/100Base-TX/1000Base-T Ethernet -IEEE 802.3U auto-negotiation -Dual RJ-45 connector with two LED indicators
Display	-ATI® Mobility M10 Graphics controller (M11 Option) -64MB display memory (128MB M11 Option) -Display resolution up to 2048x1536 @ 60Hz refresh -Superior 2D, 3D and video performance
EIDE	Support four EIDE devices with Ultra DMA 100/66/33
SCSI	N/A
Expansion Interface	N/A
Audio	AC'97 2.2 Audio
ISA Bus	64mA high driving ISA bus interface to backplane
Solid State Disk	-One Type II CF socket -One secondary EIDE channel -Bootable for no drives on primary channel
I/O	-Support two SATA 150 devices -Two serial (RS-232 x1, selectable RS-232/422/485 x1) & One IrDA 1.0 -Four USB2.0 ports -8 high driving GPIO (4 GPI, 4 GPO) -One 6-pin mini-DIN connector for keyboard and mouse
ACPI Function	-ATX Function with 4-pin header connect to backplane -Modem-Ring-On and Wake-On-LAN
Hardware Monitoring	System monitor (fan, temperature, voltage)
Watchdog Timer	Programmable via software from 0.5sec. to 254.5min.
Power Requirement	TBA
Environment	Operating temperature: 0°C to 55°C (32°F to 131°F) Storage temperature: -20°C to 80°C (-68°F to 176°F) Relative humidity: 5% to 90% (Non-condensing)
Mechanical	Dimension (LxW): 338.5x122 / 13.33"x4.8" PCB: 8-Layer
Approval	TBA
MTBF	TBA

*Specification is subject to change without prior notice



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