

PAR-2042

PAR-2042 is an Intel® Atom™ N270 industrial fanless embedded computer which features digital I/O with isolation protection and supports up to 4 COMs.

Product Name: PAR-2042 / Pipal 2042
Part Number: PAR-2042



Specifications

Fanless Platform	Low power, low operation temperature Fanless aluminum alloy embedded system
Dimensions	208mm (W) X 135 mm (H) X 230mm (D)
Processor	Intel® Atom N270 1.6 GHz low power processor 437 pins package, 533 MHz FSB, 512KB L2 Cache
Chipset	Intel® 945GSE North & ICH 7-M South Bridge Chipset
Memory	On board 512MB, 1 SODIMM Socket, up to 2 GB without ECC, 533 MHz DDR 2 Memory
BIOS	Award System BIOS Support Console Redirection & Power On After Power failure
Disk Drive Storage	1 channel SATA interface, 1 internal CF module slot 1 external Hot Swappable CF
Expansion	1 Mini PCI, 1 Mini PCIe, 2 PCI-32
Ethernet	1 Realtek 8111 100/1000 Mbps LAN interface with Wake-On-LAN & DMI
Watchdog Timer	Programmable WDT from 1 to 255 seconds
Display Function	VGA
Hardware Monitor	Monitors voltage and temperature
RTC & CMOS RAM	Real Time Clock, 256 bytes CMOS RAM built-in chipset
Audio	ALC655 Codec
Super I/O	ITE 8712 & Fintek 81216 Super I/O for KB, MS, COM, Thermal monitor, Voltage monitor
RS-232/485	2 DB-9 RS-232/485, 2 DB-9 RS-232, all optional DC output
Smart Battery Interface	Support DC output & SMBus for Smart battery kit
Digital I/O	2500V isolation protection 3D-In: Low Level: 0-3V, High Level: 10-50V 2D-Out: 500mA drive capability
Front Panel Extend I/O	1 USB, 4 LED, power switch and reset, 1 Hot Swappable CF
Rear Panel Extend I/O	Screw-Lock DC 9-30V power input, 3-pin connector 2 DB-9 RS-232/485, 2 DB-9 RS-232, 1 DB-9 3 D-in/2 D-out, 1 DB-15 VGA, USB x 4, 1 RJ-45 100/1000 Mbit LAN, 1 Speaker Out, Power LED, HDD LED, Power button
Internal I/O Interface	1 Mini PCI, 1 Mini PCIe, 3PCI-32 1 CF slot, 1 SATA, Up to 4 D-In/4 D-Out internal connector, 1 Audio pin header, 1 dual channel 18-bit LVDS connector
Power Supply	DC: 9V-30V / 1.5-5 A input
Power ON/OFF Mode	AT or ATX Power ON/OFF mode
Environment	Operation Temperature: -20°C to 50°C (-4°F to 122°F) Storage Temperature: -20°C to 80°C (-4°F to 176°F) Relative Humidity: 10% to 90% (Non-condensing)
Certification	CE Class A, FCC Class A
Technical Support	Free technical support

FEATURES

- ✓ Intel® Atom™ N270
1.6 GHz Processor, 533 MHz FSB
- ✓ Intel® 945GSE North and
ICH 7-M South Bridge Chipset
- ✓ DDR 2 memory SODIMM,
up to 2 GB without ECC
- ✓ 1 Mini PCI, 1 Mini PCIe, 2 PCI-32 slots
- ✓ Supports SATA, SSD, 4 COMs
- ✓ Digital Isolation

RoHS

Specifications subject to change without notice.
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