

PAR-2052M

PAR-2052M is an Intel® Atom™ N270 fanless embedded computer which features digital I/O with isolation protection and supports up to 3 COMs.

Specifications

Fanless Platform	Low power, low operation temperature Fanless aluminum alloy embedded system
Dimensions	208mm (W) X 125 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
Expansion	1 Mini PCI, 1 Mini PCIe, 3 PCI-32
Power Management	S3/S4 suspend mode, low power protection, µP detection ignition status, Low battery status detected
3.5G Mobile Wireless	Sierra MC8790V, Supports GSM/GPRS/EDGE/WCDMA/ HSDPA, flexible tri-band or quadband
GPS Support	SiRF-3 high sensitivity GPS, 20 channel tracking
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, 18-bit dual channel LVDS w/ DB-26 connector
Audio	ALC655 Codec
RS-232/485	2 DB-9 RS-232/485, 1 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 2D-In: Low Level: 0-3V, High Level: 10-50V 1D-In: Ignition status input 2D-Out: 500mA drive capability
Front Panel Extend I/O	1 power and 1 system Reset/GPRS power button, 1 USB, 2 system status LED, 1 GPRS power LED, 6 GPRS LEDs (3 speed mode/3 signal status), 1 SIM card socket, 5 SMA type Antennas for HSDPA/GPS/WLAN
Rear Panel Extend I/O	1x 18-bit dual channel LVDS/DB-26 connector, Screw- Lock DC power input, 3-pin connector, Smart Battery (+5V, +12VDC & SMBus), 2 DB-9 RS-232/485, 1 DB-9 RS-232, 1 DIN connector for 3 D-in + 2 D-out, 4 USB, 1 x 100/1000 Mbit LAN connector, 1 Speaker out connector, 1 DB-15 VGA, Power LED, HDD LED, 1 Power button
Power Supply	DC: 6V-34V / 1.5-5 A input
Power ON/OFF Mode	AT or ATX Power ON/OFF mode
Environment	Operation Temperature: -30°C to 60°C (-22°F to 140°F) Storage Temperature: -40°C to 80°C (-40°F to 176°F) Relative Humidity: 10% to 90% (Non-condensing) Vibration: 2G @ 5-500Hz random with CF & SSD, 2G @ 5- 500Hz random with HDD
OS Support	Windows XP Professional / Embedded, Windows CE, Linux
Certification	CE Class A, FCC Class A, eMark
Technical Support	Free technical support

Product Name: PAR-2052M / Pipal 2052M
Part Number: PAR-2052M



FEATURES

- ✓ Intel® Atom™ N270
- ✓ Supports GSM / GPRS / WCDMA / HSDPA / GPS
- ✓ DDR 2 memory, SODIMM, up to 2 GB without ECC
- ✓ 1 PCI-32, 1 Mini PCI, 1 Mini PCIe slot
- ✓ 6-34V power input
- ✓ Digital Isolation

Connect Tech Inc.

42 Arrow Road, Guelph ON Canada
Tel: 519.836.1291 **Fax:** 519.836.4878
Toll: 800.426.8979 (North America)
Email: sales@connecttech.com
www.connecttech.com