

POLAR8000-MATX

Rugged and Expandable Portable PC



Specification

- n **Smallest and lightest case under big LCD and great expansion**
- n **Accommodate Micro-ATX / Baby-AT size motherboard with P3/P4 processor**
- n **Four PCI / ISA full length slots for expansion**
- n **12.1"/14.1" TFT LCD:**
 - Ø Resolutions: 800x600(12.1")
1024x768 (14.1")
 - Ø 50000 hours LCD MTBF
 - Ø 50000 hours backlight lifetime
- n **Drive Bay :**
 - Ø 1 x 3.5" HDD
 - Ø 1 x 3.5" FDD
 - Ø 1 x 5.25" slim CD-ROM (CD-RW, DVD Combo for option)
- n **Power Supply:**
 - Ø Industrial level 1U power supply

- Ø Output rating: 200W~350W
- Ø Input voltage: 110/230 VDC @ 47/63 Hz, (PFC optional)
- Ø Output voltage: +3.3V@14A,+5V@25A,+12V @ 8A,-5V@0.5A,-12V@0.5A+5VSB@2A
- Ø Safety: UL/CSA/TÜV/CE approved

n **Keyboard:**

- Ø 105keys WIN95 mechanical keyboard with touch pad (PS/2 port)
- Ø Keyboard version in various languages
- Ø Track ball for option

n **Cooling:**

- Ø Space for 2 x 8cm system fan
- Ø 2 fan for power supply

n **Speaker:** Built-in dual amplified speakers

n **Accessories:** Carrying bag, assembly parts, power cord

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n **Chassis Colors:** Black and beige color available,

n **Operating Temperature:** 0° ~ 50°C (32 ~ 113° F)

n **Relative Humidity:** 5~85%

n **OEM Specification Welcome**

n **Option:**

- Ø Resistive touch screen
- Ø Portable PC in Full system with P3 or P4 processor
- Ø Slim CD-RW, CD-RW + DVD Combo
- Ø Trolley case with wheels

n **Dimension:**

- Ø 15.9" (W) x 10.4" (H) x 7.8" (D)
- Ø SKD kits weight: 12.5 lbs (5.7KGS)

PRODUCT DESCRIPTION

Polar-8000 series making it flexible and upgradeable

Polar-8000 of high-performance portables is designed for mobile and industrial applications that require expandability and ruggedness well beyond the capabilities of usual portables.

Polar-8000 is used for off-the shelf test and instrumentation platform for engineers and executives who want all the speed, power, and expandability of a desktop unit. Polar-8000 configure for measurement and control, network testing and analysis, data acquisition, remote surveying and other PC based applications in field environments. Industry tested construction assures that this sturdy performer will keep on delivering accurately when you need it the most.

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Polar-8000 can be easily transported to different sites. For example, you can access Network diagnostics in remote locations from a Network Control Center or an engineer's office. An on-site technician that has an installation problem can get on-line help from an expert at another

location. Equipment and services at unmanned locations can be remotely tested, allowing cost-effective consolidation of skilled personnel. Technicians can monitor and test the network as if they were on-site, reducing travel cost.

Applications

- DATA Acquisition***
- PLC Programming***
- LAN Analysis***
- In-Vehicle Testing***
- Telecommunication Testing***
- Materials Testing***
- Video Conferencing***
- Multimedia***
- Industrial PC Applications***

Many field applications such as telemetry, data acquisition, network testing, aircraft data bus testing, require rugged computer platforms with open expansion slots as hosts for instrumentation plug-in cards implemented on ISA, PCI and EISA AT-sized boards. Special configurations and modifications are available.