

Waveon 902 Advanced Mobile Terminal

With its signature fanless operation, rugged yet compact design, Waveon 902 is one of the most powerful advanced mobile terminal for industrial and commercial use



Waveon 902 is based on Intel's Pentium M processor to deliver greater performance across industrial applications and usages such as safety surveillance and vehicle security system.

Equipped with a 1.6GHz processor, Waveon 902's high performance enables users to experience greater system responsiveness.

Waveon 902 is designed to be self-reliant and has a watchdog timer to ensure uptime and availability. In the event of any software anomalies, the system can automatically reset without any human intervention.

Waveon 902 supports three tiers of expansion interfaces - PCI, PCMCIA and mini PCI - to enable PC functionality. Equipped with expansion ports like USB, Ethernet and serial ports, Waveon 902 can be easily configured to provide optimal performance.

Waveon 902's rugged aluminum alloy chassis is especially suitable for embedded industrial applications. It can resist shock and vibration up to 500Hz.

Besides having low power needs, Waveon 902's fanless design offers low noise operation benefit.



Product Highlights

- Fanless Design
- Rugged Aluminum Alloy Chassis
- Intel® Pentium® M Processor (1.6GHz)
- 1 PCI (Optional 2nd PCI)/2 PCMCIA Slots
- Wide-range DC/AC Power Input
- Ethernet/4COM/4USB/Audio/Parallel/CFD
- Anti-Vibration and Shock Resistant

Industrial Applications

- Data Acquisition System
- Transportation Surveillance
- Vehicle Security System
- Machine Control
- Security Node
- Data Analyzer Platform



Technical Specifications

Product Specifications

Physical Specifications

- Dimension:
 - 1 PCI: 214mm (W) x 237.8mm (D) x 94.8mm (H)
 - 2 PCI: 214mm (W) x 237.8mm (D) x 117.5mm (H)
- Weight:
 - 1 PCI: 5.63kg
 - 2 PCI: 6.21kg
- Casing: Rugged Aluminum Alloy Chassis

Display Specifications

- Screen: 8" Color TFT LCD (Active Matrix)
- Contrast: 300:1
- Resolution: 800 x 600
- Input Selection: AV/VGA

Performance Specifications

- Processor: Intel® Pentium® M 1.6GHz, Fanless
- Operating System: Windows® XP Pro

Memory/ Storage Specifications

- System Memory: DDR SDRAM DIMM x 1. Max. 512MB RAM
- Hard Disk Storage: 2.5" 60G Hard Disk

Power Specifications

- DC Input:
 - Internal DC-DC Converter (Default)
 - Input Voltage: 9Vdc ~ 30Vdc
- AC Input:
 - External Power Adapter (Optional)
 - Input Voltage: 100Vac ~ 240 Vac @ 50 ~ 60Hz

System Control Specifications

- System Control:
 - 1 x Power On/Off Switch
 - 1 x Reset Button
- Watchdog Timer
- LED Status Indicators:
 - 1 x Power LED
 - 1 x Hard Disk Drive Active LED

Communication & Interface Ports

- Expansion:
 - 1 x PCI (Optional 2)
 - 2 x PCMCIA Slot
- VGA/ Keyboard/ Mouse:
 - 1 x DB-15 VGA Connector
 - 1 x PS/2 Keyboard & Mouse
- Ethernet: 1 x 10/100 Base-TX RJ-45 Connector
- SSD: 1 x Compact Flash TM Type II Slot
- Serial Ports:
 - 3 x RS-232
 - 1 x RS-232/422/485
- USB: 4 x USB 2.0 Port
- Parallel Port: 1 x Printer Port

Audio Specifications

- Mic-In/ Line-In/ Line-Out

Environmental Specifications

Operating Temperature

- -15°C ~ 55°C (5°F ~ 131°F)
(P-M 1.6 GHz, CFD)
- -15°C ~ 50°C (5°F ~ 122°F)
(P-M 1.6 GHz, Automotive Hard Disk Drive)
- -15°C ~ 45°C (5°F ~ 113°F)
(P-M 1.6 GHz, Normal Hard Disk Drive)

Operating Humidity

- 5 ~ 95% @ 40°C, Non-Condensing

Vibration

- 5g/ 5 ~ 500 Hz/ Random Operation (CFD)
- 1g/ 5 ~ 500 Hz/ Random Operation (Internal Hard Disk Drive Active Module)

Shock

- 50g Peak Acceleration (11 msec. Duration) (CFD)
- 20g Peak Acceleration (11 msec. Duration) (Hard Disk Drive Module)

Accessories

- AC Adapter (120W)
- Power Cord (US Type)
- Power Cord (European Type)
- Automotive Hard Disk Drive (20G)

Regulatory

- EMC: CE/FCC Class B, UL

