

Waveon 700 Series

Waveon 728- Mobile Data Terminal



* Actual product may vary from image

Waveon 728 is a state-of-the-art in-vehicle data terminal that caters for all kinds of fleet management solution. It is specially designed to withstand extreme conditions in any vehicular environment.

Waveon 728 utilizes the Intel StrongARM SA1110 206MHz RISC processor with on board memory of 64MB SDRAM, and a built-in Disk-on-chip flash ROM of up to 32MB for high demand applications and high volume storage needs.

The terminal has a high brightness 7 inch TFT LCD display for easy and comfortable viewing under bright daylight condition. The high sensitive touch panel and four programmable buttons provide a user friendly man-machine interface. The terminal is highly integrated with built-in high speed GPRS/GSM module that provides wireless data and voice communication, and GPS module that provides positioning and navigation information.

The terminal provides 8 RS232 ports and 8 I/O ports via a Junction Box for interface with other in-vehicle peripherals to support the most demanding application requirements. The Junction Box has a rechargeable Ni-MH battery built-in for protection against vehicle power surge or dip during engine ignition.

The terminal is running on Windows CE version 3.0, which can support vast applications such as digital map, text-to-speech engine, internet explorer, fleet-management software for all kinds of fleet management and car navigation functions. A suit of software development support package can be provided to assist developer to build applications on the terminal.

Highlights

- Rugged in-vehicle terminal
- Intel StrongARM processor, Windows CE 3.0 OS
- Built-in GPS receiver
- Built-in GSM/GPRS Module
- Software Development Support Package

SPECIFICATIONS

PROCESSOR & OPERATING SYSTEM	COMMUNICATIONS & INTERFACE PORTS
<ul style="list-style-type: none"> • StrongARM SA1110 206MHz RISC processor • Window CE 3.0 	<ul style="list-style-type: none"> • 1 x PCMCIA Type II Slot • 1 x Host USB Port • 1 x 50 Pin D-Sub Serial and I/O Expansion Ports • 1 x GPS Antenna Port • 1 x GSM/GPRS antenna Port
DISPLAY	EXTERNAL JUNCTION BOX
<ul style="list-style-type: none"> • 7" 16-bit colour Anti-Glare TFT LCD display • Wide-VGA 800 x 480 resolution • Resistive Touch Panel • Brightness of 400 nits 	<ul style="list-style-type: none"> • Built-in rechargeable Ni-MH battery • 1 x 50Pin D-Sub Port connection to the MDT, expansion to: <ul style="list-style-type: none"> ▪ 8 x RS232 Ports ▪ 4 x Digital Input Ports, 4 x Digital Output Ports • 1 x Input Power Port to power source (car battery) • 1 x Output Power Port to MDT
MEMORY / STORAGE	GPS RECEIVER (OPTION)
<ul style="list-style-type: none"> • 64MB SDRAM • 32MB Flash ROM • 16MB Disk-On-Chip (Option 32MB) 	<ul style="list-style-type: none"> • Built-in 12 channel GPS receiver module • Accuracy – 10m without SA imposed • Hot/Warm/Cold start time – 8/38/45 sec • Support NMEA-0183 protocol
POWER	WIRELESS COMMUNICATION MODULE (OPTION)
<ul style="list-style-type: none"> • DC Input: 9V – 16V; Optional : 9V – 32V • Current Consumption: 600 mA (Typical) 	<ul style="list-style-type: none"> • Built-in Class 8 Dual-band GSM/GPRS module • Supports both voice and data communication
AUDIO INTERFACE	SOFTWARE (FOR WINDOWS CE 3.0)
<ul style="list-style-type: none"> • Built in Speaker and Microphone • Built in Mobile phone ear jack for hands free operation 	<ul style="list-style-type: none"> • Internet Explorer version 4.01 • GSM phone application (Voice and SMS) • Virtual Keypad • Software Support Package
PHYSICAL SPECIFICATION	
<ul style="list-style-type: none"> • Dimension: 206mm x 140mm x 35mm • Weight: 750g • Casing: Industrial Plastic 	

ENVIRONMENTAL SPECIFICATIONS

TEMPERATURE	VIBRATION
<ul style="list-style-type: none"> • Operating temperature: 0 °C to 60°C • Storage temperature: -30 °C to 70 °C 	<ul style="list-style-type: none"> • MIL-STD-810E Basic Land Transportation
HUMIDITY	REGULATION
<ul style="list-style-type: none"> • Relative humidity: 5% - 95%RH 	<ul style="list-style-type: none"> • EMC Regulation: CE • VCA (eMark)

APPLICATIONS (Optional)

<ul style="list-style-type: none"> • Fleet management • Mobile Track and Trace • Taxi Management System
--

ACCESSORIES (Optional)

<ul style="list-style-type: none"> • GPS antenna • GSM antenna • Mounting Bracket
--

*Specifications subject to change without notice