

Hardware Specifications (Mobile Device Terminal - MDT)

Operating Systems	<ul style="list-style-type: none"> ● Window CE 6.0
Display	<ul style="list-style-type: none"> ● 7" Color TFT, Anti-Glare, with LED backlights ● LCD Resolution: WVGA 800 x 480 resolution ● Light sensor ● Brightness: Software Controllable ● Touch screen protection film (optional)
Touch screen	<ul style="list-style-type: none"> ● 4-wire resistive touch screen panel
Processors	<ul style="list-style-type: none"> ● ARM9 Samsung S3C2416, 400MHz ● Secondary CPU for Automotive Tasks ● Dual processor architecture for system health monitoring
Ram Memory	<ul style="list-style-type: none"> ● 64 MB DDR RAM
Storage Memory	<ul style="list-style-type: none"> ● 256 MB NAND Flash for OS and APP ● SDHC slot
Real-time Clock	<ul style="list-style-type: none"> ● RTC with battery backup
WCDMA (3G)	<ul style="list-style-type: none"> ● Huawei MU509 ● HSDPA/UMTS ● GSM/GPRS/EDGE ● Data Rate <ul style="list-style-type: none"> ■ GSM CS: UL 14.4 kbps/DL 14.4 kbps ■ GPRS: UL 85.6 kbps/DL 85.6 kbps ■ EDGE: DL 236.8 kbps/UL 236.8 kbps ■ WCDMA CS: UL 64 kbps/DL 64 kbps ■ WCDMA PS: UL 384 kbps/DL 384 kbps ■ HSDPA: DL 3.6 Mbps/UL 384 kbps ● SIM Card Slot ● Auto network detection and selection ● SMS and Data service simultaneously ● Voice Call ● Independent Rugged Antenna
GPS	<ul style="list-style-type: none"> ● u-blox 6

	<ul style="list-style-type: none"> ● Supports NMEA-0183 Protocol ● 50 Channels ● Start Time <ul style="list-style-type: none"> ■ Hot: 1s ■ Cold: 28s ● - 162dBm tracking sensitivity ● Independent Active GPS Rugged Antenna
Serial Ports	<ul style="list-style-type: none"> ● RS232 Serial Ports x 4
I/O Ports	<ul style="list-style-type: none"> ● Digital Outputs x 2 (signal x 1, relay x 1) ● Power Outputs x 2(10V - 32V) ● Digital Inputs x 4 ● 1 Odometer Input for Speed & Mileage Monitoring ● 1 One-Wire Interface
USB Ports	<ul style="list-style-type: none"> ● USB Host 1.1 x 1 ● USB Client 2.0 x 1 ● Internal USB Host 1.1 for 3G
Hardware Keys & LED Indicators	<ul style="list-style-type: none"> ● 10 lighted, programmable hardware buttons ● Hardware reset button ● 4 LED status indicators with API control
Multimedia	<ul style="list-style-type: none"> ● Built-in Microphones x 1 for Voice Communication & Voice Recognition ● Built-in Speakers x 2 ● Support Speakerphone ● Earphone Jack
Power	<ul style="list-style-type: none"> ● External DC Power Input (10V - 32V) ● Independent power control for GPS, WCDMA/GPRS, LCD backlight and audio amplifier ● Power Protection: Reverse Current, Overvoltage, Filtration ● Lithium coin cell battery for RTC
Operating Temp.	<ul style="list-style-type: none"> ● -20°C to 70°C
Humidity	<ul style="list-style-type: none"> ● 5 to 95%, non-condensing
Dimension	<ul style="list-style-type: none"> ● 198 mm (W) x 43 mm (D) x 149 mm (H)