

MTP-1702

17" Multimedia Smart Terminal with Touch Screen

Quick Reference Guide



1st Ed – 21 May 2007

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1. Getting started

1.1 Safety Precautions

Warning!



Always completely disconnect the power cord from your chassis whenever you work with the hardware. Do not make connections while the power is on. Sensitive electronic components can be damaged by sudden power surges. Only experienced electronics personnel should open the PC chassis.

Caution!



Always ground yourself to remove any static charge before touching the CPU card. Modern electronic devices are very sensitive to static electric charges. As a safety precaution, use a grounding wrist strap at all times. Place all electronic components in a static-dissipative surface or static-shielded bag when they are not in the chassis.

1.2 Packing List

- 1 x Multi-functional Touch Panel Computer
- 1 x Quick Reference Guide
- 1 x CD/DVD-ROM contains the followings:
 - User's Manual (this manual in PDF file)
 - Ethernet driver and utilities
 - VGA drivers and utilities
 - Audio drivers and utilities



If any of the above items is damaged or missing, contact your retailer.

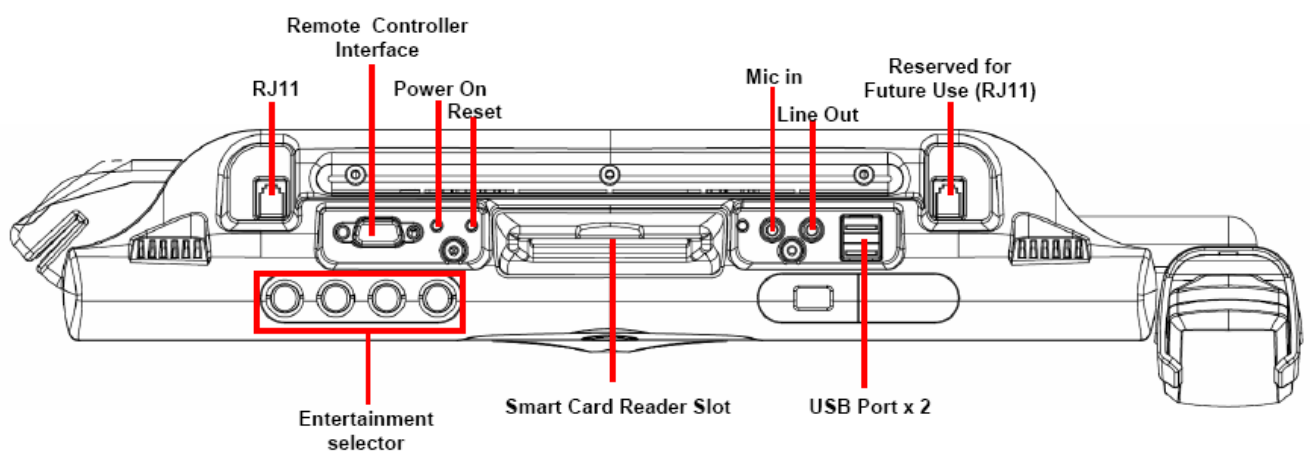
1.3 System Overview

1.3.1 Front View



(Optional)

1.3.2 Bottom View



1.3.3 Remote Controller Interface

Signal	PIN			Signal
GND		6		
USBD5+	1		11	SPKL
GND		7		
USBD5-	2		12	SPKR
GND		8		
+5V	3		13	NTX2
NURSE3		9		
NURSE1	4		14	NRX2
NURSE4		10		
NURS2	5		15	+5V



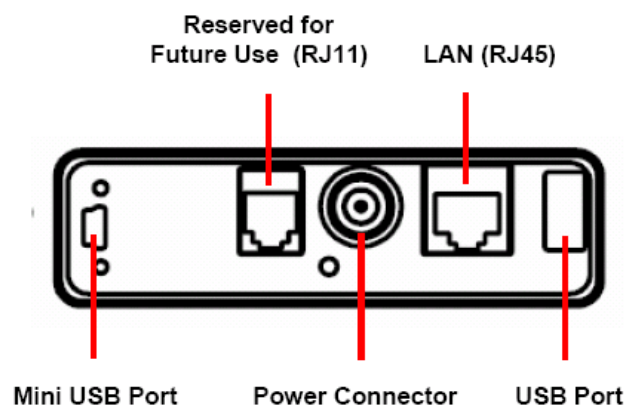
1.3.3.1 Signal Description – Remote Controller Connector (J2, CN4)

Signal	Signal Description
USBD5+ / D5-	Differential bi-directional data signal for USB channel 5. Clock is transmitted along with the data using NRZI encoding. The signalling bit rate is up to 12 Mbs.
SPKR, SPKL	Speaker right/left channel.

Note:

This is not a VGA connector. It is for remote controller use only. Wrong setup may cause damage to the system or the device connected.

1.3.4 Rear View



1.4 System Specifications

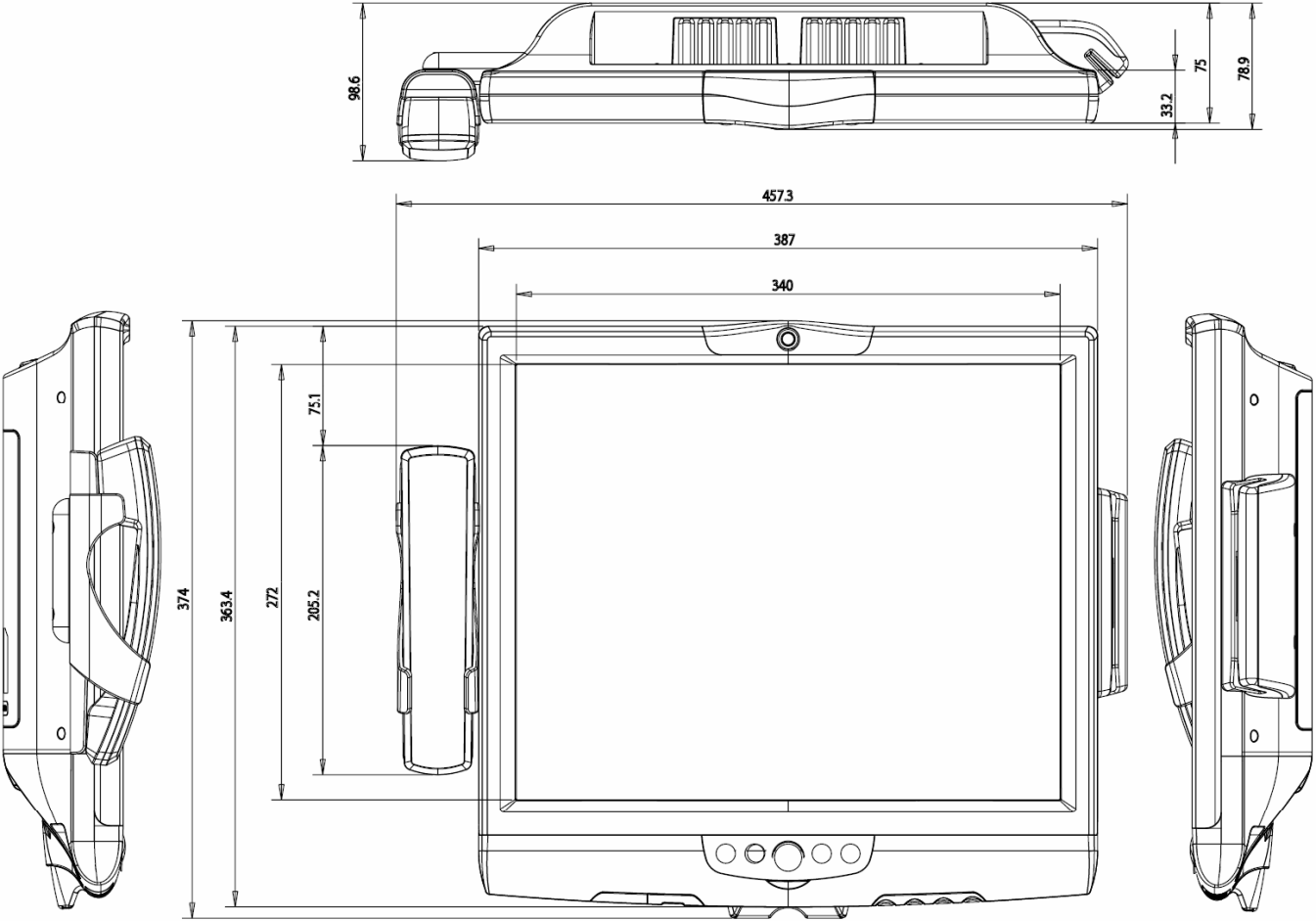
Computing Platform 	
CPU	Onboard Intel® µFC-BGA 479 Celeron M 600 MHz with 512K L2 Cache
Northbridge	Intel® RG852GM Graphic Memory Controller Hub (GMCH)
Southbridge	Intel® FW82801DB I/O Controller Hub 4 (ICH4)
I/O Chip	Winbond W83627HG-AW
System Memory	1 x 184-pin DIMM up to 1GB DDR SDRAM
Video	Supports Intel® DVM T 2.0
Video Memory	64MB shared memory
Audio	VIA VT1616
Serial Ports	1 x TTL to connect to Smart Card Reader 1 x RS-232 for optional Magnetic Strip Card Reader
USB	4 x external, 1 for T/S controller, 1 for optional Bluetooth, 1 for optional PC camera, 2 x reserved with headers
Keyboard Connector	1 x internal header
Mouse Connector	1 x internal header
GPIO	9 x I/O lines, keypad, buzzer, on-hook, 2 x on internal header
Thermal Protection	Internal sensor generates interrupt
Watchdog Timer	Can generate system reset from 1 sec. to 255 min. and 1 sec. or 1 min./step.
LAN	Realtek RTL8100C Optional Realtek RTL8110SB Gigabit LAN
Expansion	2 x mini-PCI slot (including one optional)
Display Screen 	
Type	17" XGA TFT (1280 x 1024 resolution)
Color Depth	Dual-channel 24-bit
Brightness	300Cd minimum brightness
Brightness Control	20% to 100% user controllable
Touch Screen	Resistive
Touch Controller	Internal USB

Peripherals and Device Interface 	
Headphone Socket	1 x 3.5mm phone jack on left side of bottom access (View from the front side)
Phone Handset	2 x RJ11 sockets
Smart Card Reader	Integrated module (optional)
User Controls	Control buttons integrated (front & bottom of Panel)
USB Ports	4 x USB 2.0 ports for external peripherals
Reset Switch	Internal push button in connector recess
Power Switch	Power-on only button on front membrane keypad and one internal push button in connector recess
Display Inverter	Power enable and separate brightness control
Audio Sub System 	
Amplifier	0.3W RMS headphone output per channel (minimum) Software headphone mute Software handset mute Independent control of all audio channels via internal mixer
Buzzer	Incoming telephone call indication
External Speaker	2 x 2 W 8 Ohm speaker intergraded in system housing
Peripherals Devices 	
Hard Drive	40GB 2.5-inch HDD
Power Supply Unit	Power input: AC 90-264V Power output: DC 19V 4.71A
Mechanical Specifications & Environmental 	
Power Consumption	+19V@2.21A (with Intel® Celeron M 600MHz & 512MB DDR 266 SDRAM) app. 42W
Power Type	ATX
Mounting	VESA 75mm x 75mm mounting hole pattern
IP Rating	IP65 compliance for front face seal
Dimensions	457.3 mm x 362 mm x 75 mm (Handset included)
Weight	7 kgs / 15.43 lbs
Cooling	Fanless design, rear heatsink with wipe clean design

* All specifications are subject to change without notifications.

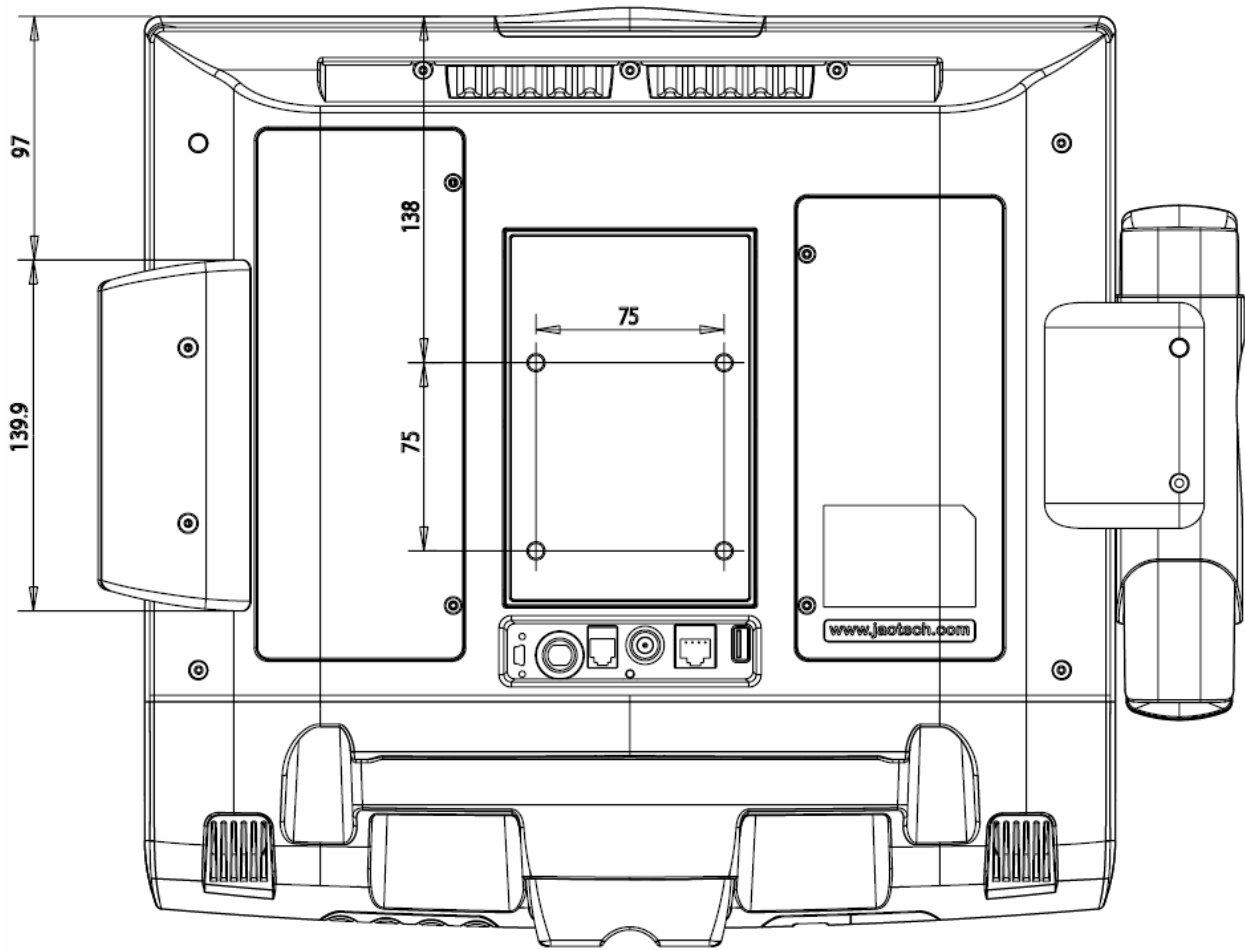
1.5 System Dimensions

1.5.1 Front Side



Unit: mm

1.5.2 Rear Side



Unit: mm



Note: If you need more detail information, please visit our website:
www.avalue.com.tw

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