

Medical Grade All-in-one Solution

Wireless LAN
Web Camera
TV Tuner



Fanless All-in-one

17" TFT LCD (MPC-1701/1702)

WMPC-1702 is designed with plastic housing that comes with anti-bacterial to dramatically reduce the growth of most common bacteria (colon bacillus and Staphylococcus aureus) in hospital. The IP65 front bezel water-proof and dust-proof design of WMPC-1702 can resist the blood, chemicals, alcohol or detergent for the need of medical care especially in operating room, ICU and emergency room. WMPC-1702 is equipped with the most advanced Intel Core 2 Duo 1.06G with 965GME chipset that can run most of the Windows application software in the market nowadays. WMPC-1702 can also be networked by Ethernet or wireless LAN

Medical grade All-in-One solution WMPC-1702 is design for mission-critical applications in hospital operating room, ICU, and emergency room. All medical equipments in those places are strictly medical UL approved to eliminate any inference or ignorance of design that dangers human/patients life. WMPC-1702 is perfectly design for medical applications..

The classified service providers such as nurses, doctors or hospital administration can use their own smart-card type badge to tell WMPC-1702 if they have the right or permit to access the information they want. With complete smart card reader software installed, WMPC-1702 can be controlled well for security reasons. The security features such as the display will be shut down after some time of period without any further input in operations or WMPC-1702 can be activated only when a smart card is plug in. .

For more computing power, with higher performance CPU, sister product WMPC-1701 is equipped with Core 2 Duo 2.2G CPU with industrial fan. WMPC-1701 can be built-in smart card reader solution too.



Security for medical information retrieval

WMPC-1702 Built-in smart card reader

WMPC-1701 with Medical Grade Desktop Stand

Whole unit UL approval and tilt for 10 and 30 degrees



A new design for WMPC-1701 - a medical grade stand for WMPC-1701. The whole unit with desktop stand is EN-60601 and UL-60601 approval.

The surface of this medical stand comes with anti-bacteria design. That makes it perfectly to be used in hospital operating room, ICU, and emergency room. The tilt angle of the medical grade stand is 10 degree in front and 30 degree in the back. The strength and the balance are well considered to perfectly fit for the touch application of WMPC-1701. The stand is stable when people finger touches on the panel of WMPC-1701 at any tilt angle.

For fanless application, sister product WMPC-1702 (equipped with Intel CPU Core 2 Duo 1.06G) can be used for this medical grade stand too.



Features:

17" Medical Grade Panel PC
Medical Certification Compliance
High Performance Intel Core 2 Duo Mobile Processor (2.20G Mobile CPU-512M RAM-80G HD)
Support PCI Expansion
HDD Anti-Vibration Mechanism
IP65 / IPX1 Compliance
Webcam (Optional)
Supports 802.11b/g Wireless Solution with internal antenna (Optional)
Lower Noise Fan Design
Fanless Design

Certificate

Regulatory CE/FCC class B / EN60601-1, UL/cUL, VCCI
Waterproof IP65 at front side / IPX1

System

CPU	WMPC-1701: Supports Intel® Core™ 2 Duo 2.2G FPGACPU with low noise fan WMPC-1702: Supports Intel® Core™ 2 Duo 1.06G BGA CPU fanless
FSB	533MHz / 800MHz
Chipset	Intel® GME965 chipset + ICH8M
BIOS	Award BIOS, ACPI supported
VGA	Intel® GME965 integrated VGA (X3100)
DVI	One DVI 29 pin output
Audio	Realtek ALC286 Audio Codec, 2+2 watts power amplifier
LAN	Realtek RTL8111B Gigabit Ethernet
Memory	Two Dual Channel DDR2 SODIMM socket supports up to 2GB (Default: 512M)
I/O	ICH8M
Serial ATA	SATA port with 150 MB/s transfer rate 8 USB 2.0 ports (4 ports for external IO, 2 ports with on-board pin headers, and 2 ports reserve for webcam and touch screen.)
USB	
WDT	Generates system reset; 256 segments, 0,1,2...255 sec.

Display and Touch Panel

LCD Panel	17-TFT LCD Panel, 420 nits
Touch Panel	Resistive type

Storage

HDD	2.5" SATA HDD drive bay with anti-vibration mechanism x 1 (Default: 80G)
CF	Bootable Compact Flash slot for CF type I/II storages x1

Expansion

PCIx1	PCI 2.2 expansion slot x 1
PCMCIA	PCMCIA Type I/II 32-bit CardBus slot x 1
Mini-PCI	32-bit Mini-PCI socket x 1

External I/O

VGA	DB-15x1
DVI	DVI output x 1
Audio Jack	Triple (3x1) phone jack connector (Line-in, Line-out, and Mic-in)
USB	USB 2.0 x 4
COM	DB-9x3
KB/Mouse	PS/2 Connector x2 for keyboard/mouse
LAN	J45 x2 for Gigabit Ethernet
Power	DC-In connector x 1
Switch	Reset key
Speaker	2Wx2
Front Bezel:	LED Indicator/ Hot Key (Power Button/ Audio adjustment +/- / brightness +/-)

Mechanical and Environmental

Power Input	17-TFT LCD Panel, 420 nits
Power Adapter	AC 90 - 264V / 47 - 63 Hz / DC input 12V
Operation Temperature	0-40°C
Storage Temperature	-20-80°C
Operation Relative Humidity	10%~90%, non-condensing
Storage Relative Humidity	10%-90%, non-condensing
Dimensions	420 x 360 x 85mm (W x H x D)
Weight	7kg without AC adapter
Mounting	VESA Mount 75/100mm
IP65 at front / IPX1 compliance	
Kensington lock hole	