

WLP-7821-19

19" Intel Core Duo Fanless Panel PC



Features

- 19" True Fanless Panel PC
- Socket 479 Intel® Core™ Duo / Solo processors low-power platform
- Intel 945GME integrated GMA950 technology
- COM / LAN / PCMCIA / miniPCI / CF / Audio / USB interfaces
- HDD Anti-vibration mechanism
- Modulized design: Panel mount type, Open frame type and Chassis type ID design selectable
- Windows Vista compatible
- Resistive, Capacitive SAW, IR touch panel selectable



System

CPU	mPGA479M socket, Supports Intel® Core™ Duo /Solo processors up to 2.0 GHz
Chipset	Intel® 945GME chipset + ICH7M
BIOS	4Mb AMI Flash BIOS
VGA	Intel® 945GME integrated VGA (GMA950)
Audio	Realtek ALC655 AC97 Audio Codec, 2+2 watts power amplifier
LAN	Realtek RTL8111B Gigabit Ethernet
Memory	Two DDR2 SODIMM socket supports up to 2GB
I/O	ICH7M
Serial ATA	SATA port with 150 MB/s transfer rate
WDT	1~255 seconds, software programmable

Storage

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

Expansion

Mini-PCI	32-bit Mini-PCI socket x1
PCMCIA	PCMCIA Type I/II 32-bit CardBus slot x 1

External I/O

USB	USB 2.0 x 4
COM	DB-9 x 4 (RS-232 x 3, RS-232/422/485 x 1)
LAN	RJ-45 x 1 (Gigabit Ethernet)
KB/Mouse	PS/2 Keyboard & Mouse x 1
Audio	Line-in, Line-out, and Mic-in audio jacks
Power	DC-In connector x 1
Switch	ATX power switch & RESET switch
Indicator	Power and HDD indicator (Front LED color: Power: Green / Orange: HDD accessing)
DVI	DVI connector x 1
TV Tuner & video capturer	TV in x 1, S-video x 1, Composite video x 1 (Optional)

Mechanical & Environmental

ID design	Panel mount type with IP65 front bezel, Open frame type, Chassis type
Power Input	DC12V~28V
Power Adaptor	AC90 ~ 264V / 47 ~ 63 Hz/ DC input 12V
Operating Temperature	0~40°C (fanless)
Storage Temperature	-20~80°C
Relative Humidity	10%~90%, non-condensing
Dimension	SAW, IR touch: 514.7x396x80mm Resistive, Capacitive touch: 514.7x396x76.5mm
Weight	Open frame type: 8.1Kg Panel type: 9.1Kg Chassis type: 10.2Kg
Mounting	VESA mount 75/100/Panel mount /Wall mount

Display and Touch

Chipset	945GME integrated graphics utilizing Intel® GMA950 technology
Memory	Up to 224MB shared with system memory
LCD panel	19" TFT LCD panel SXGA (1280 x 1024), 300 nits
Touch screen	19" Resistive, Capacitive, SAW and IR selectable

Display

Size	19"
Model	M190EG01 V0
Resolution (pixel)	SXGA (1280 x 1024)
Aspect Ratio	5:4
Active Area (mm)	376.3 x 301.1
Pixel Pitch (mm)	0.264
Number of Colors	16.7M
View Angle (H/V)	178 / 178
Brightness (cd/m²)	300
Contrast Ratio	1300:1
Response Time (ms) (at 25°C)	5 (on/off)
Interface	2ch LVDS
Supply Voltage (V)	5
Backlight	4 CCFL

Touch Screen Application Consideration

Characteristics	Resistive (4 or 5 or 8 wire)	Capacitive	Surface Wave (SAW)	Infrared touch (IR)
Touch Resolution	4096x4096	4096x4096	4096x4096	4096x4096
Stylus use possible beyond finger	No Limitation, can use any stylus	Need special conductive stylus	Soft pliable stylus, like pencil eraser	No limitation, can use any stylus
Glove use possible	Any type glove	Only very thin latex glove	Any type glove	Any type glove
Light transmittance	70%-85%	90% above	92% above	100%
Mohs	3H	7 Mohs		

