

WLP-7920-12

12" Intel Atom D525 Fanless & Slim Panel PC



Features

- Low Power and True Fan less Thermal Solution
- IP66/NEMA4X Water/Dust Proof Front Bezel
- Built in HDD Anti-vibration Module
- Giga LAN / Mini-PCI-E / VGA / Audio / USB2.0 / COM interfaces
- RoHS compliance
- Support Windows XP, Windows 7
- Support RS485 Auto flow control function



Specifications

System

CPU	Atom D525 1.8G
FSB	800MHz
Chipset	South bridge: Intel® ICH8M
Graphic	Analog CRT up to 2048x1536, support for CRT hot plug **18/24-bit single/dual-channel LVDS by Xilinx XC3S200AN, resolution support up to 800x600, 1024x768, 1280x1024, 1920x1080**
Audio	Realtek ALC268 Audio Codec, 2+2 watts power amplifier
LAN	Marvell 88E8071 Gigabit Ethernet x 1
Memory	Single Channel, two DDR3 SODIMM socket support up to 4GB
I/O	Intel® ICH8M
Serial ATA	SATA II controller (3.0Gb/sec) Port x 2
Serial port	RS232/422/485 x 1 (Support RS485 Auto flow control). RS232 x 1 (Reserve layout for internal RS232 x 4 => one at I/O bottom, three with internal pin head)
USB	External USB 2.0 type A x 3 Internal Mini-PCI-E x 1 (for Wifi) 3.3V socket x 2 (for Blue tooth) 5V Pin Head to expansion x 2
WDT	Generates system reset; 256 segments, 0, 1, 2...255 sec.

LCD Panel

Size	12.1"
Resolution (pixel)	SVGA (800 x 600)
Number of Colors	262K
View Angle (H/V)	R/L 160(Typ.), UD110(Typ.)
Brightness (cd/m2)	400nit
Contrast Ratio	500:1
Backlight	2 lamps/2 side

Touch Panel

Type	5 wire RES	3M CAP
Glove	Any type glove	Need special conductive stylus
Stylus use (besides finger)	No Limitation, can use any stylus	Only very thin latex glove
Interface	USB	COM Port
Light Transmission	80±3%	91.5%
Resolution	4096x4096	4096x4096
Lifetime	36 million activations	200 million touches

Storage

HDD	2.5" SATA HDD drive bay x 1
SATA DOM	2nd SATA connector pin7 with VCC_(+5V)

Expansion slots

Mini-PCIe	52 pin card-edge type x 1 support half/full size (for WLAN module)
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External I/O

USB	USB 2.0 x 3
COM	DB-9 x 3 (RS232/422/485 x 1, RS232 x 2)
LAN	RJ-45 x 1 (Gigabit Ethernet)
Audio	3.5mm phone jack connector * 2 (Line-out, and Mic-in)
VGA output	DB-15 x 1

Power

Power Cable	DC-In connector x 1 (Jack with locker)
Switch	Reset key
LED indicator on Aluminum bezel	Green: power On/Off Red: HDD status
Power Input	DC12V~28V
Power Adapter	AC 90 ~ 264V / 47 ~ 63 Hz / DC output 12V

Mechanical & Environmental

Material construction	Front bezel is Aluminum or SECC, others are SECC enclosure
Aluminum bezel Color	Black/Silver
Front Panel Protection	IP66/NEMA4X
ID design	Panel mount Open frame
Operation Temperature	12V DC Input 0~50°C (IEC60068-2-56, air flow cooling)
Storage Temperature	-20~65°C
Operation Relative Humidity	10%~90%, non-condensing
Storage Relative Humidity	10%~90%, non-condensing
Dimensions	Panel mount: 369 x 290 x 55 mm
Net Weight	5.3kg
Mounting	Panel mount/VESA (75x75)

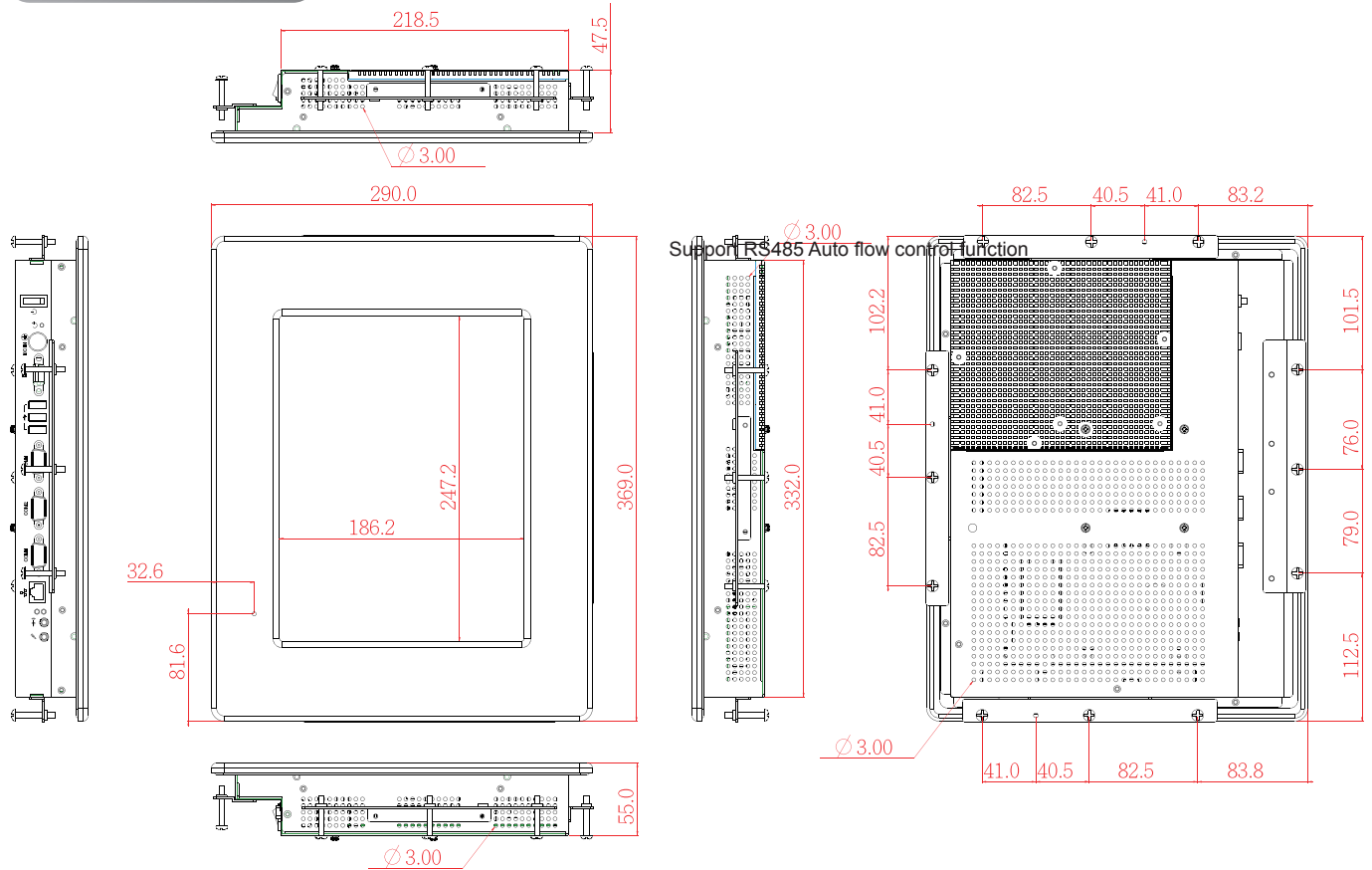
Regulatory

FCC-A, CE (EMC), VCCI, UL/cUL

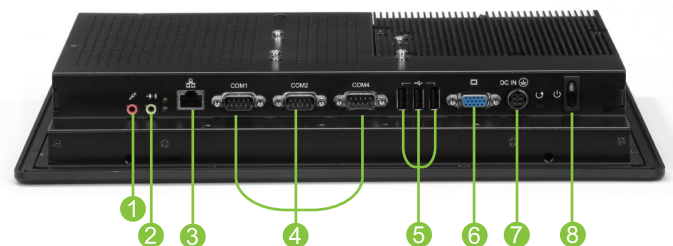
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Drawing



Fully-integrated I/O



- | | |
|------------|----------------|
| 1 Mic in | 5 USB 2.0 |
| 2 Line out | 6 VGA |
| 3 LAN | 7 DC Power |
| 4 COM | 8 Power Switch |

Options

Wireless kit (Mini PCI-e wireless card VIA VNT6656GEV00)

Customization

TPM module

Ordering information

WLP-7920-12-BKRT-D525 1.8G, 1G RAM, 320G HDD Panel mount, Black, Resistive Touch