

## **BoxVue® TS**



**BoxVue® TS**, is powerful and robust panel PC based on Intel® ULV Celeron processor with Intel® 910 GMLE chipset. It features high computing power, high brightness and also provides expansion slots for PCI add-on card. The aluminum front panels, the rugged design of **BoxVue® TS** can withstand tough industrial environments. It meets most requirements of interactive client like HMI, Automation. Wall mounted or Panel mounted applications with NEMA 4 mounting with IP65 requirements.

### FEATURES

- High Brightness and long MTBF 15" Industrial grade panel
- 5-Wires resistive Touch screen
- Dual DDR2 Memory DIMM 2GB
- 2 COM Ports, 4 USB, 2 Ethernet port
- One expansion slot for PCI add-on card available
- Easy Installation and Maintenance
- Aluminum front panel meet with IP65 Certification
- XPE OS and preloaded HMI PcVue software license and MS SQL Express

**HARDWARE**

CPU	Intel® ULV Celeron processor 1GHz Processor
Chipset	Intel® 910 GMLE + ICH 6-M
Memory	2GB DDR2 RAM
Storage	1x 3.5" Hard drive device 160GB
VGA	Integrated Intel® 82852 GM (MCH) Graphic chipset
Ethernet	Intel® 82566DM Gigabit Ethernet
Audio	Realtek HDA Codec
I/O	- 2x RS-232 - 4x USB 2.0 port - 1xLine-out, 1xLin-in, 1xMIC port, - 1x VGA port - 1x PS/2 Keyboard, 1xPS/2 Mouse - 2x Ethernet ports - 1x PCI slot (Can be a PCI communication Board or a Video card)
Touch screen	5-wire resistive type
LCD	- Size: 15" - Resolution: 1024x768 - Brightness: 350 cd/m2 - Contrast Ratio: 700:1 - Backlight MTBF: 50000 hrs
Expansion function	1x expansion slot for PCI add-on card
Operation Temp.	0~45°C degree
Storage Temp.	-20~65°C degree
Relative Humidity	5~95%, non-condensing
Weight	8.4Kg
Dimensions	385(w) x 322(H) x 121(D)mm
Mounting	NEMA 4 with seal
Power Supply	AC 110/220V input
Front Panel Protection	IP65 Compliant
Certificate	CE/FCC

**SOFTWARE**

Operating System	Windows XP Embedded
HMI Software	PcVue Version 9.0 75 I/O RT Upgradable to 1000 I/O RT
Archiving	MS SQL Express
Reporting	Dream Report 25 Tags Upgradable to 500 Tags
Remote Access	WebServer (1 Remote access : WebVue)

## **BoxVue®**



The **BoxVue®** is a rugged and stylish barebones system suitable for embedded applications stand alone or rackmounted. Its effective ventilation is achieved by the mesh design of the front panel. No actual tool is needed to release the top cover of chassis, simplifying integration and field service. This barebone system includes a 180-watt power supply, 3.5" 120GB hard drive for Data archiving and one PCI expansion slot. Loaded with PcVue HMI and Webserver it is ideal for providing web remote access to multiple sites scattered geographically.

### **FEATURES**

- Tool-free mechanism to open the top cover
- Rugged and stylish design for harsh environment.
- Dual DDR2 Memory DIMM 2GB
- 4 COM Port, 6 USB, 2 Ethernet ports
- Full PCI slot for interface card.
- rackmount form factor
- XPE OS and preloaded HMI PcVue software license and MS SQL Express

Input Voltage	90V ~ 264V AC, full range
Input Frequency	47 ~ 63 Hz
Input Current	5A@115V, 3A@230V
Efficiency	>68%
Holdup Time	20ms. at full load@25°C
Over Voltage Protection	+5V@5.7~6.5V;+3.3@3.7~4.5V; +12V@13.3~+5.6V
Over Power/Load Protection	Output power over to 110%~140%
MTBF	100,000 hrs
EMI & Safety Approval	UL, TUV, CE, FCC, CB, CSA, SEMKO, FIMKO, NEMCO, DIMCO
Temperature/Humidity	Operating: 0 ~ 50°C, 20 ~ 85%RH Storage: -40 ~ 70°C, 10m ~ 90%RH
CPU	Intel® Celeron® M processor – FSB 400 MHz - Award BIOS
Chipset	Intel® 910GMLE GMCH and ICH6-M
Memory	2GB DDR2 SDRAM on two 240 pin SDRAM DIMM 900MHz
Storage	1x 3.5" SATA Hard drive device 120GB
VGA	Intel® 910GMLE GMCH Integrated GMA 900 Graphics
Ethernet	IEEE 802.3 10/100/1000BASE-T Gigabit Ethernet Compliant
Audio	Realtek HDA Codec
I/O	- 3x RS-232 and 1RS-232/422/485 ports selectable - 4x USB 2.0 port, 2x USB 2.0 on front panel - 1xLine-out, 1xLin-in, 1xMIC port, - 1x VGA port - 1x PS/2 Keyboard, 1xPS/2 Mouse - 2x Ethernet port
Expansion function	- 1x PCI slot <u>Example</u> Echelon PCI LTA20 LonWorks card (Optional)
Dimension (WxDxH)	170x170 mm; 6.69"x6.69"

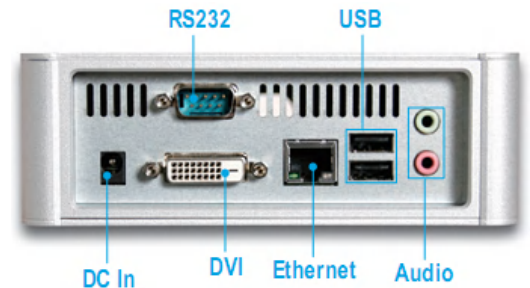
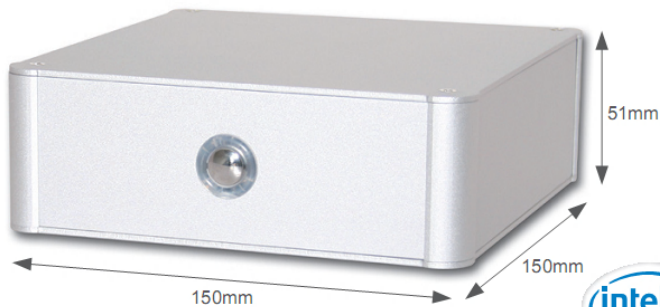
**MECHANICAL & ENVIRONMENTAL**

Operation Temperature	0~55°C
Storage Temperature	-20~80°C
Relative Humidity	5~95% non-condensing
Dimension	310 x 252 x 86.3 (mm)
Weight	3.5 Kg

**SOFTWARE**

Operating System	Windows XP Embedded
HMI Software	PcVue Version 9.0 75 I/O RT Upgradable to 1000 I/O RT
Archiving	MS SQL Express
Reporting	Dream Report 25 Tags Upgradable to 500 Tags
Remote Access	WebServer (1 Remote access : WebVue)

## **BoxVue® μ**



The **BoxVue μ®** Built with Intel US15W chipset, WEBS-2121 takes advantage of Intel® Atom™ Z530 technologies. This system features ultra low power, low heat and ultra small size. Ultra small size of system is good for saving user's space and also good for mounting on the Panel back. This system with two storage interfaces and good for data access by the user. Robust, fan-less and compact structure design makes it perfect for Thin client, Industrial control, DS, Home automation and Medical applications.

### **FEATURES**

- Intel® Atom™ processor Z530, 1.6 GHz and System Controller Hub US15W
- Ultra low power and Fan-less design
- One 200-Pin SO-DIMM supports DDR2 SDRAM up to 2GB
- 120 GB SATA 2.5" HDD
- Compact and user-friendly design is good for installation and maintenance
- XPE OS and preloaded HMI PcVue software license and MS SQL Express

**SYSTEM**

CPU	Intel® Atom™ processor Z530, 1.6GHz
FSB	400/533 MHz
BIOS	AMI BIOS
System Chipset	Intel® System Controller Hub US15W integrated GMA 500 Graphics
System Memory	One 200-pin SO-DIMM support DDR2 400/533 up to 2GB
STORAGE	1 x SATA 2.5" HDD 120GB
Watchdog Timer	Programmable via S/W from 1sec. to 255min.
H/W Status Monitor	- Temperature (CPU and System) - Voltage (CPU Vcore, VBAT, 5VSB, 12V, 5V, 3.3V)

**REAR PANEL**

Serial Port	1 x RS232
Display	1 x DVI
USB	2 x USB 2.0
Audio Interface	Line-out and Mic-in
Ethernet	1 x Gigabit Ethernet

**POWER SUPPLY**

POWER INPUT	DC 12V
ADAPTOR	AC 100~240V

**MECHANICAL & ENVIRONMENTAL**

Operation Temperature	-5~45°C
Storage Temperature	-20~80°C
Relative Humidity	5~95% non-condensing
Dimension (WxDxH)	150x150x51 mm; 5.9"x5.9"x2"
Weight	1kg

**SOFTWARE**

Operating System	Windows XP Embedded
HMI Software	PcVue Version 9.0 75 I/O RT Upgradable to 1000 I/O RT
Archiving	MS SQL Express
Reporting	Dream Report 25 Tags Upgradable to 500 Tags
Remote Access	WebServer (1 Remote access : WebVue)