

**INDUSTRIAL COMMUNICATION COMPUTER**

**Industrial x86 Communication Computer with Intel Atom Dual Core processor**  
**JetBox 8312**



The JetBox 8312 is an Intel Atom-N2600 1.6GHz dual core CPU based computer with 2GB DDR3 RAM system memory and built in media processor for multimedia performance enhancement. The volume and performance of the JetBox 8312 is utilized as a perfect front end device, due to it is designed in a compact size, encased in a DIN-rail type mounting as well as carrying all major interfaces, such as four USB2.0 ports, two RS- 232/422/485 port (one port support CAN Bus), VGA, and high resolution audio. In addition, it is equipped with two RJ-45 ports which support web server services for today's challenge network communication environment.

RS 232/422/485
VGA
CAN Bus
USB
Intel



**Features**

- ▶ Fanless and low power consumption design
- ▶ Intel dual core CPU (Atom-N2600 1.6GHz, 1MB L2 Cache) and System Chipset (D2600 + NM10)
- ▶ One 204-Pin SoDIMM socket with 2GB DDR3 RAM (4GB max.)
- ▶ Support two Giga LAN for Realtek Chipset
- ▶ Four USB V2.0 Ports
- ▶ One CAN Bus
- ▶ 2-In and 2-Out digital I/O
- ▶ One CFast Card Type I/II socket
- ▶ One SD socket (Class6)
- ▶ One 2.5" SATA HDD space
- ▶ Two RS-232/422/485
- ▶ Support Expansion I/F with PCIe Mini Card slot



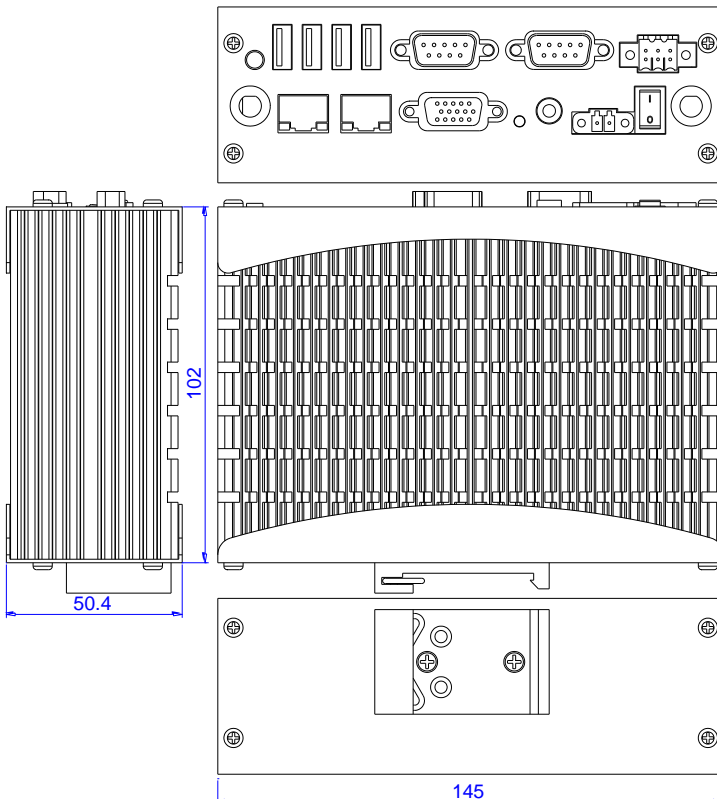
# Specification

System	
Processor	Intel Atom-N2600 1.6GHz Low-power CPU board
System Memory	2GB DDR3 RAM
Storage	1 x 2.5" SATA HDD space 1 x CFsat Card Type I/II socket 1 x SD socket (Class6)
Ethernet	2 x 10/100/1000 Base-TX RJ-45 connector
Serial Port	1 x RS-232/422/485 with DB9 connector 1 x RS-232/422/485/CAN with DB9 connector
Audio	1 x Audio connector (Earphone-Out)
USB	4 x USB 2.0
System Control	1 x Power on/off switch
DI/DO	2IN / 2OUT
Power Supply	DC Input 9-32V
Power Consumption	35VA maximum
LED per Ethernet port (on the port)	Link/Activity (Green on/Green blinking) Full Duplex/Collision (Yellow on/ Yellow blinking)
LED per unit	1 x Power on/activity(on/ blinking) 1 x HDD on/activity(on/ blinking)
HW Watchdog Timer	Generates a time-out system reset; the time-out period can be programmed to be set from 1 to 255 seconds
Operating System	
Verified OS	Windows XP/7
OS supported by Korenix	WES7, XP Embedded, Linux
Mechanical	
Construction	Rugged Aluminum Alloy Chassis, IP31 protection
Color	Silver
Mounting	DIN-rail
Dimension	50(W) x 145 (H) x 102 (D) mm
Net weight	0.7kg
Environment	
Operating Temp	0°C ~ 50°C (32°F ~ 122°F)
Storage Temp	-20°C ~ 80°C (-4°F ~ 176°F)
Regulation	FCC class B, CE EN55022 class A, EN55024, EN61000-3-2, 3 EN61000-4-2, 3, 4, 5, 6, 8, 11
MTBF	Greater than 76,493 hours @25oC
Warranty	3 years

## Windows Embedded Standard 7

Remote Desktop Connection	Version 7.0
Internet Explorer	Version 8.0
Windows Media Player	Version 12.0
DirectX	Version 11
Data Access Components	Microsoft Data Access Components
.Net Framework	.Net Framework 3.5
Application Support	COM OLE Application Support 、 COM+ 、 Win32 Application Runtime and Libraries
Internet Information Services Technologies (IIS)	7.0
Generic USB Input Device Support	Standard USB Stack
Windows Management	Power Management 、 Group Policy Management 、 System Management Utilities 、 Windows Application Compatibility
Networking	Network and Share Center 、 Bluetooth 、 Domain Services 、 Telnet Server 、 Quality of Service 、 Windows Firewall
Security	Active Directory Right Management 、 Bitlocker Secure Startup 、 Windows Security Center 、 Credential and Certificate Management 、 Windows Authorization Manager
System Services	Windows Installer 、 Remote Procedure Call 、 File Compression Utility
User Interface	Accessibility 、 Help and Support Engine 、 Speech and Text 、 Remote Assistance 、 Photo Viewer 、 Search Indexing 、 Windows Shell
Fonts Support	English(UI) 、 Simplified Chinese 、 Traditional Chinese 、 Japanese 、 Western Fonts

## Dimensions (Unit = mm)



## Ordering Information

JetBox 8312 Industrial x86 Communication Computer with Intel Atom Dual Core processor

Includes:

- JetBox 8312 x1
- Attached 2-pin power terminal block
- Attached 2\*3-pin terminal block for isolated digital I/O
- Frame kits to fix one SATA 2.5" HD on board
- Quick installation guide
- Documentation and software CD-ROM

## Optional Accessories

System on industrial HD (SATA interface, capacity 320G)

- HD320G-WES7E-EN SATA HD 320G, WES7E OS (EN)
- HD320G-WES7P-EN SARA HD 320G, WES7P OS (EN)