

JetBox 8210 (Preliminary)

Industrial Communication Computer

New

- **High performance with low power consumption:**
 1. Intel XScale PXA270 416MHz RISC CPU
 2. System memory 128MB, 8MB VGA
- **Plentiful interfaces:**
Dual Ethernet, 16DI / DO, 4 COM, 4 USB, VGA, Audio
- **Reliable robust form factor:**
 1. 5g Anti-vibration and 50g shock resistant
 2. Operating Temperature:-15~70°C, Fan less
- **Ready to use:**
 1. Embedded Linux / Win CE OS ready
 2. System Management Utility
 3. Application Development Environment

Ordering Information

JetBox 8210d Intel PXA270 416MHz, DC10~48V, 128MB SDRAM

JetBox 8210a Intel PXA270 416MHz, AC100~240V, 128MB SDRAM

All items include:

JetBox 8210

Quick Installation Guide / Documentation and Software CD-ROM / Wall mounting kit

Optional Accessories:

System on CompactFlash: (4 selections)

- CF512-L: 512MB, Linux OS and System Management Utility
 - CF512-LM: 512MB, Linux OS and System Management Utility, Modbus, Modbus / TCP
 - CF512-C: 512MB, Win CE OS and System Management Utility
 - CF512-CM: 512MB, Win CE OS and System Management Utility, Modbus, Modbus / TCP
- DIN Rail kit



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Industrial Communication Computer

New

- **High performance with low power consumption:**
 1. AMD GEODE LX800 500MHz,
 2. System memory 256MB, 64MB VGA
- **Plentiful interfaces:**
Dual Ethernet, 8DI / DO, 4 COM, 4 USB, VGA, TV out, Audio
- **Reliable robust form factor:**
 1. 5g Anti-vibration and 50g shock resistant
 2. Operating Temperature:-15~70°C, Fan less
- **Ready to use:**
 1. Embedded Linux / Win CE OS ready
 2. System Management Utility
 3. Application Development Environment

Ordering Information

JetBox 8220d AMD Geode LX800 500MHz, DC10~48V, 256MB SDRAM

JetBox 8220a AMD Geode LX800 500MHz, AC100~240V, 256MB SDRAM

All items include:

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Optional Accessories:

System on CompactFlash: (4 selections)

- CF512-L: 512MB, Linux OS and System Management Utility
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 - CF512-CM: 512MB, Win CE OS and System Management Utility, Modbus, Modbus / TCP
- DIN Rail kit



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Korenix Industrial Product Selection Guide



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	JetBox 8210	JetBox 8220
Software		
Linux 2.6.18	●	●
Protocol Stack		
TCP, UDP, IPv4, SNMP, ICMP, IGMP, ARP, HTTP, CHAP, PAP, SSH 1.0/ 2.0, SSL, DHCP, NTP, NFS, SMTP, Telnet, FTP, PPP, PPPoE	●	●
System Utilities		
bash, busybox, tinylogin, telnet, ftp	●	●
Supporting Services and Daemons		
telnetd: Telnet Server daemon	●	●
ftpd: FTP server daemon	●	●
sshd: Secure shell server	●	●
Apache: Web server daemon, supports PHP and XML	●	●
MySQL: Data Base Server and Client	●	●
OpenVPN: Virtual Private Network service manager	●	●
iptables: Firewall service manager	●	●
pppd: dial in/out over serial port daemon	●	●
snmpd: snmpd agent daemon	●	●
inetd: TCP server manager program	●	●
Application Development Environment		
Korenix Linux API Library	●	●
Linux Tool Chain: Gcc, Glibc	●	●
Device Drivers		
CF Card, USB, Watchdog Timer, UART, VGA, Audio	●	●
WinCE 5.0	●	●
Protocol Stack		
TCP, UDP, IPv4, SNMP, ICMP, IGMP, ARP, HTTP, CHAP, PAP, SSL, DHCP, SMTP, SMT, Telnet, FTP, PPP	●	●
System Utilities		
Windows command shell, telnet, ftp, web-based administration manager	●	●
Supporting Services and Daemons		
Telnet Server: Allows remote administration through a standard Telnet client	●	●
FTP Server: Used for transferring files to and from remote computer systems via a network.	●	●
Web Server (httpd): WinCE IIS, offer ASP, ISAPI Secure Socket Layer support, SSL 2, SSL 3, and Transport Layer Security (TLS/SSL 3.1) public key-based protocols, and Web Administration ISAPI Extensions.	●	●
Dial-up Networking Service: RAS client API and PPP, support Extensible Authentication Protocol (EAP) and RAS scripting	●	●
Application Development Environment		
WinCE 5.0 SDK	●	●
C Libraries and Run-times	●	●
Component Services (COM and DCOM)	●	●
Microsoft Foundation Classes (MFC)	●	●
Microsoft® .NET Compact Framework	●	●
XML, including DOM, XQL, XPATH, XSLT, SAX2	●	●
SOAP Toolkit	●	●
Winsock 2.2	●	●
Device Drivers:CF Card, USB, Watchdog Timer, UART, VGA, Audio	●	●
Windows XP embedded	●	●

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Hardware

Processor	Intel XScale PXA270 RISC 416MHz	AMD GEODE LX800 500MHz
System Memory	SDRAM 128MB, Max. 256MB (Optional)	SDRAM 256MB, Max. 512MB (Optional)
VGA	● (8M)	● (Up to 64MB)
10/100 Based-TX RJ-45	2	2
Type II CompactFlash	●	●
RS-232	2	2
RS-232/422/485	2	2
Audio	●	●
TV-Out		●
USB 1.1	4	
USB 2.0		4
Digital I/O	16 DI & 16 DO	8 DI & 8 DO
Power on/off switch	●	●
Reset button	●	●
Watchdog Timer	●	●
DC input: 10~48VDC/(48VDC)	●	●
AC input: 100~240VAC@50-60Hz	●	●
Construction	Rugged Aluminum Alloy Chassis	Rugged Aluminum Alloy Chassis
Color	Aluminum	Aluminum
Mounting	Wallmount (Default), DIN Rail	Wallmount (Default), DIN Rail
Dimension(unit=mm)	250(W) x 66.5(H) x 106.5(D)	250(W) x 66.5(H) x 106.5(D)
Net weight	1.5 kg	1.5 kg
Operating Temp. 5~158°F (-15~70°C), 5~95% RH	●	●
Anti-Vibration: 5G/ 5~500Hz/ random operation	●	●
Anti-Shock: 50G peak acceleration	●	●
Regulatory Approvals: CE/FCC Class A, UL	●	●
Linux 2.6.18	●	●
WinCE 5.0	●	●
Windows XP embedded		●