

## Korenix – Your Embedded Networking & Computing Partner

Korenix, the market leading brand in industrial networking and embedded computing solutions has an extensive track record in providing innovative, market - oriented, value focused solutions to the industrial market.

### Worldwide Recognition & International Awards

For excellence in products design and their outstanding performance, Korenix has achieved worldwide recognition and is continuously winning international awards, including COMPUTEX Best Choice Award in Year 2007, 2008, and 2009, IF Design Award 2009, Automation-2009 Award of AISS-AutomaticA, Outstanding IT Products Award 2008, PRODUCT OF THE YEAR 2007 from Control Engineering, and Golden Penguin Award 2008. In 2009, Korenix JetBox is awarded Taiwan's Leading Product Sponsorship by the Taiwan Ministry of Economy.



### Patent Technologies

#### 2006

- Rapid Super Ring
- Dual Homing
- Dual Homing II
- Tracked Switch Casing Machinery

#### 2007

- Multiple Super Ring with MultiRing, TrunkRing, AnyRing
- Seamless Ring Restoration with ZERO Restoration Time
- Rapid Dual Homing II
- Waterproof Switch Casing Machinery

#### 2008

- 6-in-1 Communication Computer
- Encrypted auto-run customization setting for the devices
- Monitoring and auto-recovery for applications

#### 2009

- 24V to 48V PoE Boost Technology
- Fast Recovery Mechanism for Trunk Ring
- A Fast Redundant Path Moving Mechanism for Network Coupling
- Initial Setup Method for Ring Network, Broken Link Redundancy Procedure and Restoration Method for Reconnected Broken Link
- Ring Network Coupling and its Redundant Procedure
- Power over Ethernet System Having Hi-Pot Isolation and Automatic Output (pending)
- Power Adjustment with Thermal Control (pending)

#### 2010

- Distribute Power Management Device
- Network Protocol Speedup Classification Method

### Vertical Market Certifications

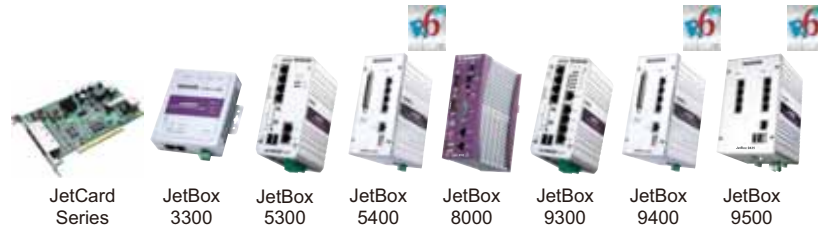
For vertical market application, Korenix products are designed and compliant with different approvals.

- IEC 61850 for Power Substation
- NEMA TS2 for Intelligent Transportation System
- EN50155 for Rolling Stock
- UL508 for Industrial Environment

### Associations



## Embedded Platforms for all applications



		JetCard Series	JetBox 3300	JetBox 5300	JetBox 5400	JetBox 8000	JetBox 9300	JetBox 9400	JetBox 9500
<b>Network</b>	Ethernet link only	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Ethernet Switch	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
	Router	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
	Power over Ethernet	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
<b>Interface</b>	Serial	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
	USB	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
	DIO	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
	CF card slot	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
	SD card slot	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
	microSD card slot	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	HD slot	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	miniPCIe & SIM card slot	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
<b>OS</b>	Embedded Linux (Korenix JetOS)		JetOS93 lite	JetOS93 lite	JetOS95	<input type="radio"/>	JetOS93 w/ Web UI	JetOS95	JetOS95
	Linux	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	WinCE	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	XPe	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Windows	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Programmable	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
	SDK provided	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
<b>Add-on SW</b>	Modbus gateway	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Webmin & JamVM	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
<b>Environ.</b>	-40~80°C operating	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Applied Applications</b>	Automotive engineering	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
	Telecommunications	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
	Industrial controls	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
	Mobile data acquisition	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
	Traffic engineering	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
	Building automation	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
	Fieldbus systems	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

● supported

○ supported by model

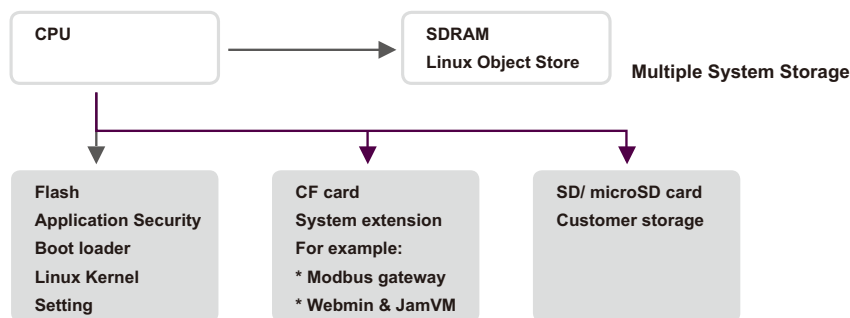
## JetOS, Korenix Embedded Linux Platform with Abundant Developer Resources for Network Applications

### Reliable and Stable Linux Platform for Network Application

Korenix JetOS is a stable, reliable Linux based operating system for the JetBox series. By pre-installing, configuring and completing integration testing with JetOS, time to market is cut dramatically for user application development. Creating networking and control applications is simplified using pre-installed Linux utilities, components and libraries. Remote access, user account management, and advanced security and networking features such as VPN and layer 3 routing can easily be configured with JetOS out of the box.

### Small Footprint with System Scalability

Unlike Linux running on PC, Korenix JetOS is an optimized embedded Linux platform in Kernel and file system to have small footprint. In addition, JetOS does not have the limitation on flash storage size like other embedded Linux. Instead, JetOS adjusts the structure of Linux file system intelligently to allocate multiple system storage sources. The core Linux Kernel is stored on flash with written protection whereas applications can be stored in external CF or SD card.



### Powerful Technical Capabilities and Built-In Networking SW Packages

With the inherited advantages of powerful technical capabilities of open source Linux, Korenix JetOS is built-in and tested with different networking software utilities and packages for routing or ethernet switcing functionality. Korenix JetOS significantly reduces development time and time to market for systems integrators or SW developers.

### Developer SDK for Customization

Developer SDK is provided with JetBox including cross compiler and sample code. With the SDK, developers can easily modify trhe sample code to generate their own control and networking applications.

### File Security for Developer's Program

Application files can be encrypted by an authorized key on an optional security CF card to make sure the applications are well-protected from illegal usage or copying.

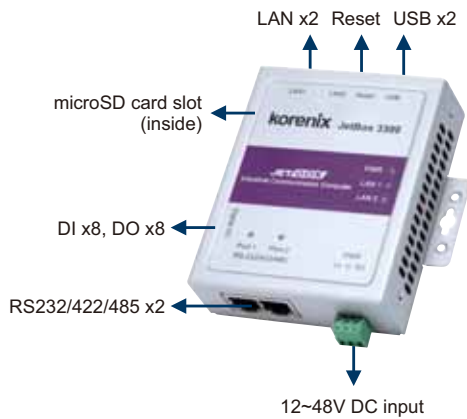
## JetBox 3300-w / 3350i-w Programmable

### Compact size for small front-end control systems

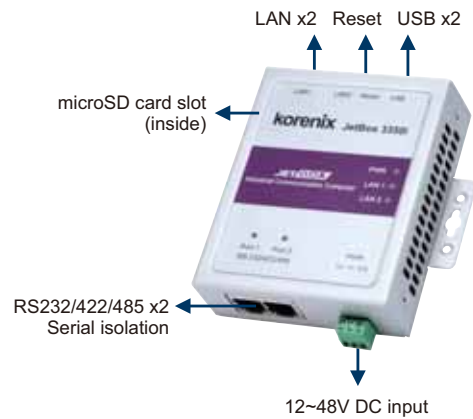
- Embedded Linux ready for easy maintenance
- Linux SDK for quick time-to-market
- Dual Ethernet ports for system uplink redundancy
- Dual USB for data storage
- 2 Serial, 16 DIO for device and signal control
- 2KV Serial Isolation for device protection
- -40~80°C wide operating temperature for harsh environments



#### JetBox 3300-w Interface



#### JetBox 3350i-w Interface



#### JetBox 3300-w

##### Linux Computer w/ 16 DIO

- Ethernet x2
- USB x2
- microSD x1
- RS232/422/485 x2
- DI x8, DO x8



#### JetBox 3350i-w

##### Linux Computer w/ Isolated Serial

- Ethernet x2
- USB x2
- microSD x1
- RS232/422/485 x2 with 2KV isolation



## JetBox 5300-w Programmable

### Ruggedized Embedded System for Network Application

- RISC Processor with low power consumption for reliable performance
- Embedded Linux ready for easy maintenance
- SD card slot for customized configuration
- 4DI & 4DO for digital device connections
- 4 Serial ports for device remote control
- Dual Ethernet for system uplink redundancy
- Dual redundant power inputs for system reliability
- -40~80°C wide operating temperature for harsh environments



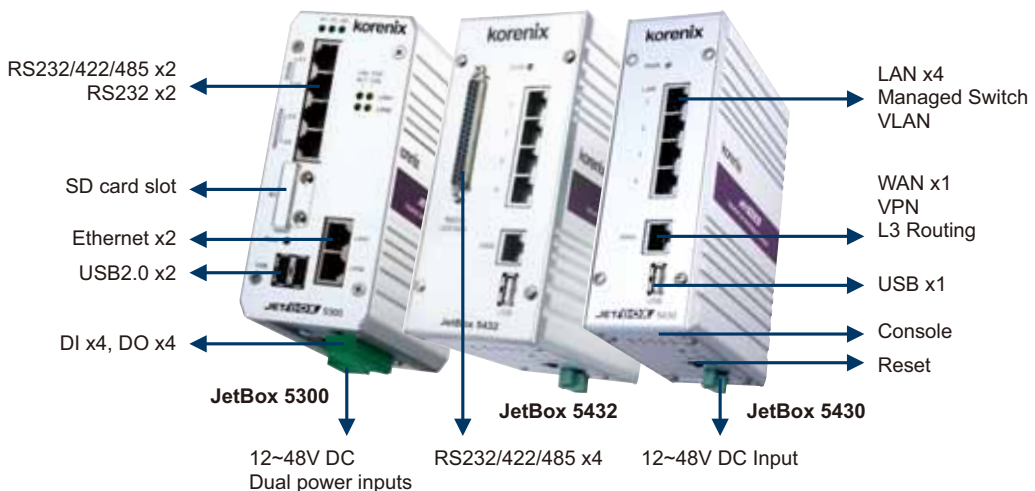
## JetBox 5430-w / 5432-w Programmable

### Ruggedized Embedded System for Network Application

- VPN, DMVPN for enhanced secure networking
- Dynamic Layer3 Routing: OSPF, RIP, DVMRP, IPv6
- QoS and port-based VLAN for full switch management
- Embedded Linux ready for easy maintenance
- 4 Ethernet ports for high network connectivity
- 4 Serial ports for device remote control
- -40~80°C wide operating temperature for harsh environments



### JetBox 5000 Series Interface



## Quick Selection Guide



JetBox 5300-w



JetBox 5430-w



JetBox 5432-w

		Basic	VPN	VPN + Serial
Network	Ethernet link	x2		
	Ethernet Switch (LAN)		x4	x4
	Router (WAN)		x1	x1
Interface	RS232/422/485	x2		x4
	RS232	x2		
	USB	x2	x1	x1
	SD card slot	x1		
OS	Embedded Linux	KorenixJetOS93 lite	KorenixJetOS95	
Add-on SW	Modbus Gateway	○		
Environ.	-40~80°C operating	○	○	○

○ supported by model



## SW Specification

### Embedded Linux (JetOS93 lite)

**Bootloader:** JetBox bootloader

**Linux Kernel:** 2.6.21

**Shell:** GNU ash

**File system:** JFFS2, NFS, Ext2, Ext3, VFAT, FAT

**Device drivers:** microSD card, USB, Watchdog timer, UART, Ethernet

**Protocol:** ARP, PPP, CHAP, IPv4, PAP, ICMP, TCP, UDP, NFS

**Software packages:** busybox (telnetd, inetd, udhcp, syslogd), diocfg, lrzsz, minicom, microcom, ncurses, ser2net, setserial, bridge-utils, ethtool, goahead web server, iptables, net-snmp, ntp, openssh, openssl, pppd, ftpd, rp-pppoe, smtpclient, wireless-tools

#### Korenix Linux auto-run function

Customized configuration

Process monitoring

#### SDK

**Linux tool chain:** Gcc (C/C++ PC cross compiler), uClibc, libstdc++

**Linux sample code**

### Korenix JetOS95 without IO extension

**Bootloader:** JetBox bootloader

**Linux Kernel:** 2.6.20

**Shell:** GNU ash

**File system:** jffs2, NFS, Ext2, Ext3, VFAT, FAT

**Device drivers:** SD card, CF card, USB, Watchdog timer, UART, Ethernet, DIO

**Protocol:** ARP, PPP, CHAP, IPv4, IPv6, PAP, ICMP, TCP, UDP, NFS, RIP, RIP-II, OSPF, ISIS\*, BGP\*,

DVMRP, L2TP, PPTP, SLIP, VLAN, IPsec, OpenVPN

**Software packages:** busybox (telnetd, inetd, udhcp), e2fsprongs, i2c-tools, ltp-testsuite, microcom, mtd, pciutils, usbmount,usbutils, bridge-utils, ethtool, iptables, net-snmp, ntp, openssh, openssl,openVPN, openSWAN, pppd, pptp-linux, proftpd, samba, smtpclient, bind, l2tp, mroute, quagga, wireless-tools, syslogd, udhcp, setserial, goahead web server

#### Korenix Linux auto-run function

Customized configuration

Process monitoring

#### SDK

**Linux tool chain:** Gcc (C/C++ PC cross compiler), uClibc

**Linux sample code**

\*optional

## JetBox 9300 series Linux auto-run

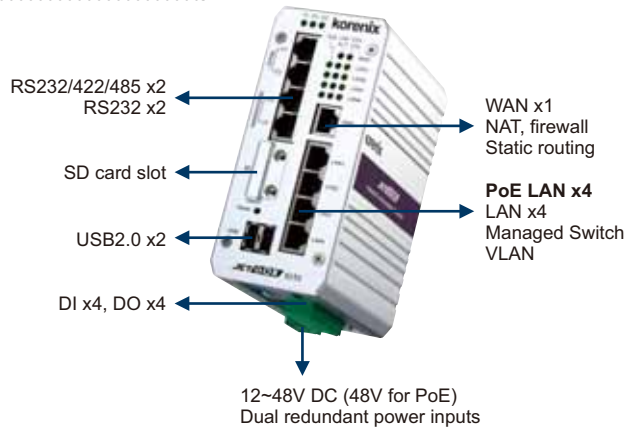
### Powerful All-in-One System for Data Gateway

- Double Award-Winning Embedded System
- 1 WAN, 4 LAN for static routing: NAT, DMZ
- Full switch management with QoS, VLAN
- 4-port PoE with 60W total power budget for IP surveillance
- USB for wireless data transmission
- Easy management with DIO, PoE Scheduling
- SNMP v1, v2c, v3 for easy network management
- NTP for network time management
- Linux SDK for quick time-to-market
- Auto-run SD card for customized configuration
- -40~80°C wide operating temperature for harsh environments (JetBox 9300-w / 9310-w)

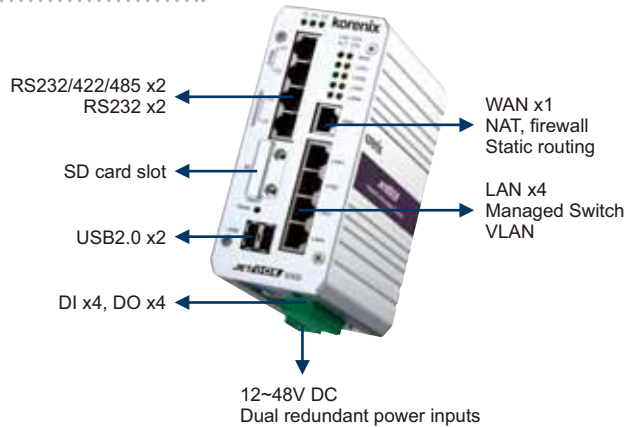


CE FC RoHS

### JetBox 9310 Interface



### JetBox 9300 Interface



## Quick Selection Guide



JetBox 9300 (-w)



JetBox 9310 (-w)

	All-in-One	+PoE
<b>Network</b>	(PoE) Ethernet Switch (LAN)	PoE LAN x4
	LAN x4	
	Router (WAN) Static routing	x1
		x1
<b>Interface</b>	RS232/422/485	x2
	RS232	x2
	USB	x2
	DIO	DI x4, DO x4
		DI x4, DO x4
	SD card slot	x1
		x1
<b>OS</b>	Embedded Linux	Korenix JetOS93 with Korenix WebUI & CLI
<b>Add-on SW</b>	Modbus Gateway	<input type="radio"/>
	Power input	<input type="radio"/>
		DC 12~48V input / 48V for PoE
<b>Environ.</b>	-40~80°C operating	<input type="radio"/>
		<input type="radio"/>

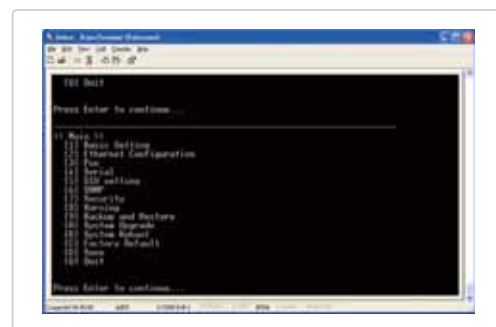
● supported

○ supported by model

PoE: Power over Ethernet; -w: wide temp. model



## Control by Korenix Web UI & CLI



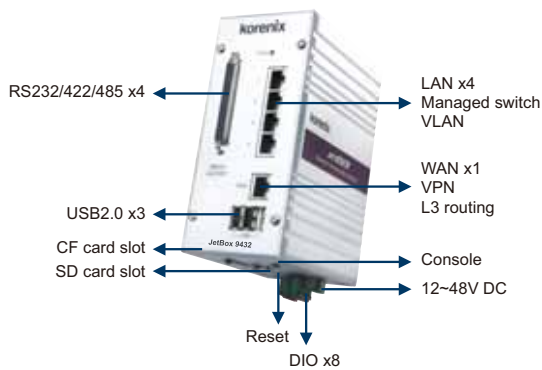
## JetBox 9400 series Programmable

### Embedded Routing Platform for Secured Multi-Site Communications

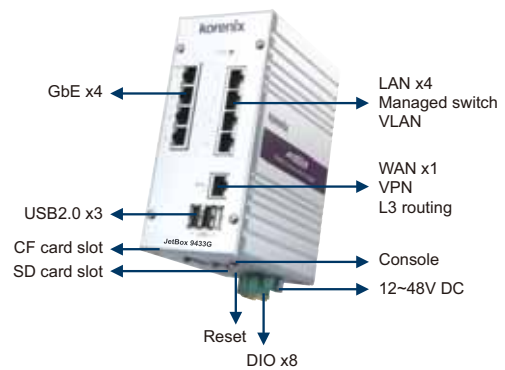
- VPN, DMVPN for enhanced secure networking
- Dynamic Layer3 Routing: OSPF, RIP, DVMRP, IPv6
- Embedded Linux UI—Webmin
- Linux SDK provided for programming
- Multiple Interface: WAN, LAN, DIO, USB, Serial
- 12~48 VDC wide range power input
- Gigabit for High Bandwidth video stream transmission
- Full switch management with QoS, VLAN
- NTP for network time management
- miniPCIe & SIM slot for mobile module (GSM/GPRS/3G/HSUPA)
- Auto-run SD card for customized configuration
- -40~80°C wide operating temperature for harsh environments



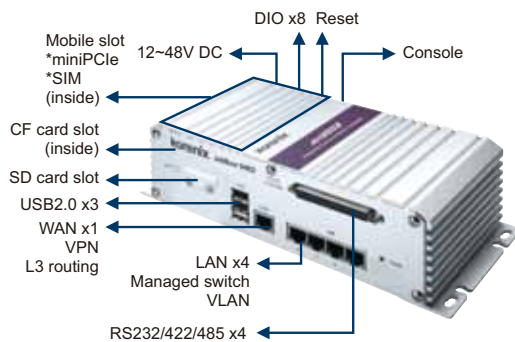
#### JetBox 9432 Interface



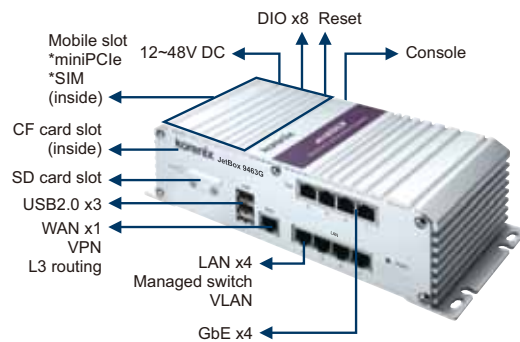
#### JetBox 9433G Interface



#### JetBox 9462 Interface



#### JetBox 9463G Interface



## Quick Selection Guide



JetBox 9430 JetBox 9432 JetBox 9433G JetBox 9435 JetBox 9460 JetBox 9462 JetBox 9463G

		Basic	+Serial	+GbE	+4 LAN	+Mobile	+Mobile +Serial	+Mobile +GbE
<b>Network</b>	Ethernet	FE x4	FE x4	FE x4	FE x8	FE x4	FE x4	FE x4
	Switch (LAN)			GbE x4				GbE x4
	Router (WAN)	x1	x1	x1	x1	x1	x1	x1
<b>Interface</b>	RS232/422/485		x4				x4	
	USB	x3	x3	x3	x3	x3	x3	x3
	DIO	x8	x8	x8	x8	x8	x8	x8
	CF card slot	x1	x1	x1	x1	x1	x1	x1
	SD card slot	x1	x1	x1	x1	x1	x1	x1
	miniPCIe & SIM slot					x1	x1	x1
<b>OS</b>	Embedded Linux	Korenix JetOS95						
<b>Add-on SW</b>	Modbus Gateway		○				○	
	Webmin & JamVM	○	○	○	○	○	○	○
<b>Environ.</b>	-40~80°C operating	○	○	○	○	○	○	○

● supported

○ supported by model

FE: Fast Ethernet; GbE: Gigabit Ethernet



## SW Specification

### Korenix JetOS95 (without PoE)

**Bootloader:** JetBox bootloader

**Linux Kernel:** 2.6.20

**Shell:** GNU ash

**File system:** jffs2, NFS, Ext2, Ext3, VFAT, FAT

**Device drivers:** SD card, CF card, USB, Watchdog timer, UART, Ethernet, DIO

**Protocol:** ARP, PPP, CHAP, IPv4, IPv6, PAP, ICMP, TCP, UDP, NFS, RIP, RIP-II, OSPF, ISIS\*, BGP\*, DVMRP, L2TP, PPTP, SLIP, VLAN, IPsec, OpenVPN

**Software packages:** busybox (telnetd, inetd, udhcp), e2fsprongs, i2c-tools, ltp-testsuite, microcom, mtd, pciutils, usbmount, usbutils, bridge-utils, ethtool, iptables, net-snmp, ntp, openssh, openssl, openVPN,

openSWAN, pppd, pptp-linux, proftpd, samba, smtpclient, bind, l2tp, mrouted, quagga, wireless-tools, jamvm, syslogd, udhcp, setserial, goahead web server

### SW Extension

Webmin, JamVM, Modbus GW

### Korenix Linux auto-run function

Customized configuration

Process monitoring

### SDK

**Linux tool chain:** Gcc (C/C++ PC cross compiler), uClibc

### Linux sample code

\*optional

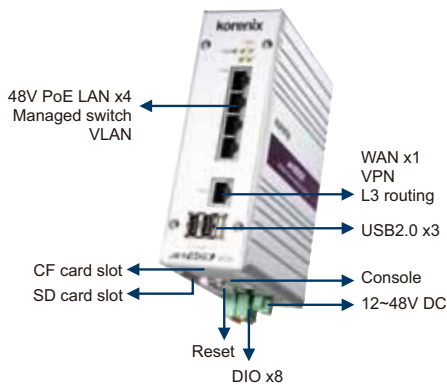
## JetBox 9500 series Programmable

### Embedded PoE Routing Platform for Advanced Multi-Site or Vehicle Application

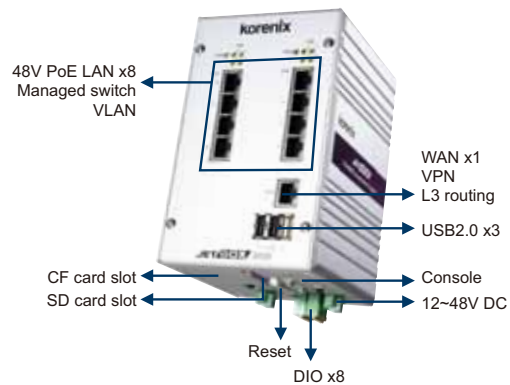


- VPN, DMVPN for enhanced secure networking
- Dynamic Layer3 Routing: OSPF, RIP, DVMRP, IPv6
- Embedded Linux UI—Webmin
- Linux SDK provided for programming
- Multiple Interface: WAN, LAN, DIO, USB, Serial
- 48V PoE ports with 15.4W per port for IP surveillance
- 12~24VDC Power booster for vehicle surveillance (JetBox9560 series)
- Gigabit for High Bandwidth video stream transmission
- Full management with QoS, VLAN, PoE Scheduling
- NTP for network time management
- miniPCle & SIM slot for mobile module (GSM/GPRS/3G/HSUPA)
- Auto-run SD card for customized configuration

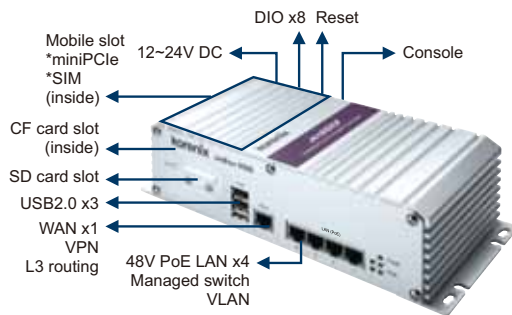
#### JetBox 9530 Interface



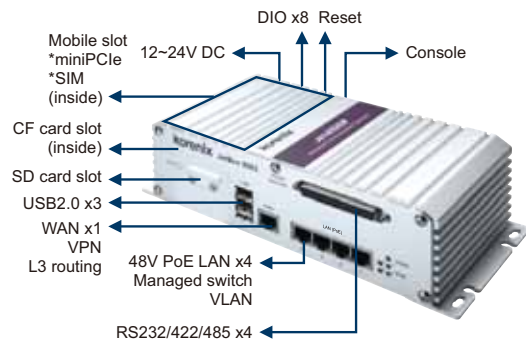
#### JetBox 9535 Interface



#### JetBox 9560 Interface



#### JetBox 9562 Interface



## Quick Selection Guide



JetBox 9530 JetBox 9532 JetBox 9533G JetBox 9535 JetBox 9560 JetBox 9562 JetBox 9563G

		Basic	+Serial	+GbE	+4 LAN	+Mobile	+Mobile +Serial	+Mobile +GbE
<b>Network</b>	(PoE) Ethernet Switch (LAN)	PoE x4	PoE x4	PoE x4 GbE x4	PoE x8	PoE x4	PoE x4	PoE x4 GbE x4
	Router (WAN)	x1	x1	x1	x1	x1	x1	x1
<b>Interface</b>	RS232/422/485		x4				x4	
	USB	x3	x3	x3	x3	x3	x3	x3
	DIO	x8	x8	x8	x8	x8	x8	x8
	CF card slot	x1	x1	x1	x1	x1	x1	x1
	SD card slot	x1	x1	x1	x1	x1	x1	x1
	miniPCIe & SIM slot					x1	x1	x1
<b>OS</b>	Embedded Linux	Korenix JetOS95						
<b>Add-on SW</b>	Modbus Gateway		○				○	
	Webmin & JamVM	○	○	○	○	○	○	○
<b>Environ.</b>	Power input	○	○	○	○	○	○	○

- supported
- supported by model

PoE: Power over Ethernet; GbE: Gigabit Ethernet



## SW Specification

### Korenix JetOS95 (with PoE)

**Bootloader:** JetBox bootloader

**Linux Kernel:** 2.6.20

**Shell:** GNU ash

**File system:** jffs2, NFS, Ext2, Ext3, VFAT, FAT

**Device drivers:** SD card, CF card, USB, Watchdog timer, UART, Ethernet, DIO, PoE

**Protocol:** ARP, PPP, CHAP, IPv4, IPv6, PAP, ICMP, TCP, UDP, NFS, RIP, RIP-II, OSPF, ISIS\*, BGP\*, DVMRP, L2TP, PPTP, SLIP, VLAN, IPsec, OpenVPN

**Software packages:** busybox (telnetd, inetd, udhcp), e2fsprongs, i2c-tools, ltp-testsuite, microcom, mtd, pciutils, usbmount,usbutils, bridge-utils, ethtool, iptables, net-snmp, ntp, openssh, openssl,openVPN, openSWAN, pppd, pptp-linux, proftpd, samba,

smtplib, bind, l2tp, mroute, quagga, wireless-tools, jamvm, syslogd, udhcp, setserial, goahead web server, poecfg

### SW Extension

Webmin, JamVM, Modbus GW

### Korenix Linux auto-run function

Customized configuration

Process monitoring

### SDK

**Linux tool chain:** Gcc (C/C++ PC cross compiler), uClibc

### Linux sample code

\*optional

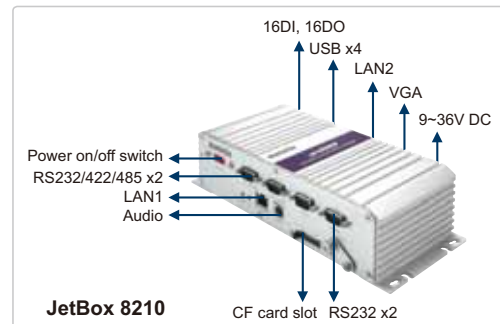
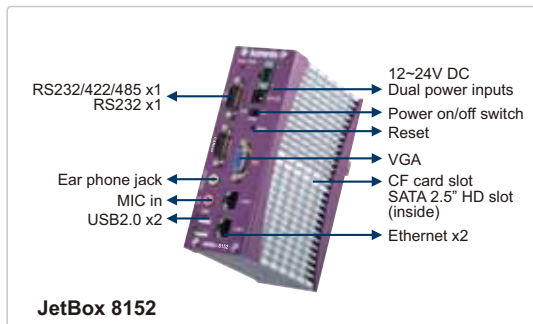
## JetBox 8000 series

### High-Speed Embedded PC for Multimedia display & Digital Signage

- Intel Processor with low power consumption for reliable performance (RISC model)
- Built-in media processor for high performance multimedia (X86 model)
- Multiple Interfaces – USB, Ethernet, Serial for flexible applications
- VGA interface for field site monitoring
- CANbus for long distance strict control
- XPe/WinCE/Linux for flexible applications
- Linux Fedora with VPN is Ready-to-Use & Cost-Saving
- SATA Hard Drive/CF card for storage expansion
- 5g for vibration resistance and 50g for shock resistance



### JetBox 8000 Series Interface



### Quick Selection Guide



JetBox 8100



JetBox 8150



JetBox 8152



JetBox 8210

	X86 500MHz	X86 1GHz	X86 1GHzw/ Canbus	RISC 416MHz
<b>Network</b>	Ethernet link only	LAN x1	LAN x2	LAN x2
<b>Interface</b>	Serial, CANbus, DIO	Serial x2	Serial x2	Serial x4, DI x16/ DOx16
	USB	x2	x2	x4
	2.5" HD slot	IDE x1, CF x1	SATA x1, CF x1	CF x1
<b>OS</b>	(Embedded) Linux	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	WinCE	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	XPe	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Add-on SW</b>	Modbus Gateway	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

supported by model



## JetCard series

### JetCard 5400-w

**PCI-104 Single Board Computer for Enhanced Industrial Control**



CE FC

- Intel Processor for enhanced routing
- 1 WAN, 4 LAN for flexible network connectivity
- VPN for long-distance and secure networking
- Linux SDK for customized applications
- -40~80°C wide op. temp.

### JetCard 5010GP

**Embedded Single Board Switch for Managed System Expansion**



CE FC

- 8 LAN for high network connectivity
- 2 Gigabit SFP Combo for High-speed, long-distance connection
- 9K Jumbo Frame for large packets
- Port trunk for bandwidth aggregation
- 5 MultiRings for network redundancy
- LLDP, JetView Pro, SNMP, IGMP, QoS, VLAN, DHCP for efficient management
- -25~70°C wide op. temp.

### JetCard 1608

**PCI-104 Serial cards**



CE FC

- RS232/422/485 x4 & RS232 x4 for access device connectivity
- Windows drivers for flexible computing
- -25~70°C wide op. temp.

### JetCard 2105

**PCI-104 Ethernet Switch cards**



CE FC

- 5 LAN ports for flexible network connectivity
- Linux & Windows drivers for flexible computing
- -25~70°C wide op. temp.

### JetCard 2154G

**PCI-104 Gigabit Switch cards**



CE FC

- 4 Gigabit ports for High Speed Connection
- Linux & Windows drivers for flexible computing
- -25~70°C wide op. temp.

### JetCard 2205

**UPCI Ethernet Switch cards**



CE FC

- LAN x4 + Internal LAN x1 for flexible network connectivity
- -25~70°C wide op. temp.

### JetCard 2215

**UPCI PoE Switch cards**



CE FC

- 12~24V Booster PoE for vehicle surveillance
- 48V PoE x4 for IP camera connectivity
- 2 working modes: UPIC add-on card & standalone switch for flexible expansion
- -25~70°C wide op. temp.