

# JetBox Industrial Networking Embedded Platform

Korenix offers the broadest range of ruggedized embedded networking and communication platforms, designed and manufactured with the highest quality to best fit the requirements for various vertical markets such as automation engineering, telecommunications, industrial controls, traffic engineering, building automation etc. In addition to advanced functionalities and routing capabilities, the Linux and Windows-based computers with IP-31 grade rugged fan-less, anti vibration/shock design and wide operating temperature provide enhanced reliable networking in extreme industrial conditions.

## Intel Networking Processor for Reliable Performance

Korenix JetBox 9500 and 5400 series are designed with Integrated Intel XScale processor, with up to 667MHz core frequency which provides ample performance headroom for next-generation network applications.

Intel IXP435 is scalable and is powerful in supporting a wide range of residential gateway applications. Korenix JetBox offers developers a platform to innovate enhanced features for networking devices, routers, VPN firewall, and security appliances.

## Layer3 Routing: Effective Group Management of Network Devices

Designed with complete Layer 3 Routing features, the JetBox series is capable of inspecting incoming packets and makes dynamic routing decisions based on the source and destination addresses inside to achieve a

better network group management. With a built-in OSPF it ensures the automatic failover of WAN connection in case of a primary link failure.

## Efficient and Secure VPN Network

Korenix JetBox series supports VPN functionality and works as a VPN gateway to mitigate the risks of malicious intrusion and to establish a secure mechanism of users' identity while expanding networking capabilities and reducing system costs. The Linux based single board computer enables the VPN function working

effectively in Linux as well as cross windows systems. For even more flexibility, the embedded platforms support DMVPN, the enhancement of VPN protocol and the effective solution for dynamic secure overlay network construction and management.

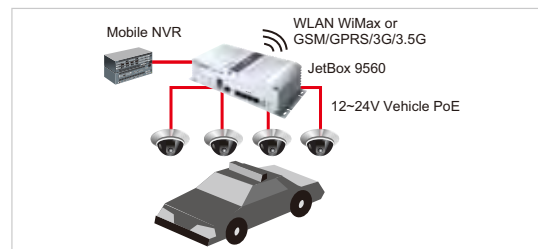
## RISC CPU with PCI-104 Extension

Korenix JetBox reserves one PCI-104 slot to have more affordable extensibility and flexibility on RISC-based platform. JetBox series helps users respond quickly

to high-growth markets and design highly efficient products that leverage PC/104 plus or PCI-104 standards.

## Booster PoE for Vehicle Surveillance

JetBox series features Korenix patented 12-24V PoE technology specifically designed for surveillance on moving vehicle. The vehicle PoE upgrades traditional CCTV to megapixel IP cameras for more advanced security applications. With optional WLAN or WiMax extensions, the recorded video can be delivered to central office through wireless delivery.



## Mobile Network Extension

JetBox series are designed with reserved mobile network card slot to extend the network communication via GSM/GPRS/3G/3.5G/HSUPA while enhancing the platform

mobility and making the IP surveillance simple in public transportation, truck, railways etc.

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

### Reliable and Stable Linux Platform for Network Application

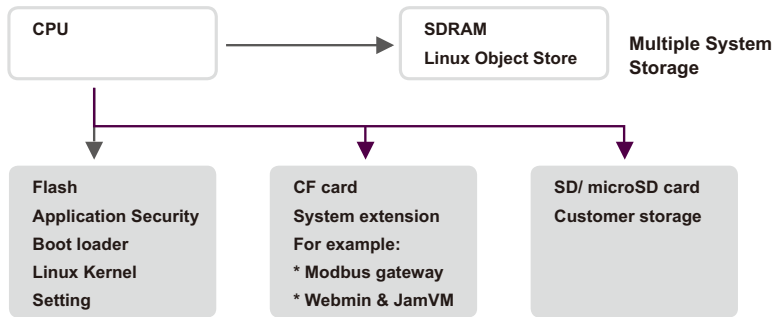
Korenix JetOS is a reliable and stable embedded platform which is under strict integration test. Users do not need to worry after-sale service or virus protection.

JetOS can be accessed remotely from network by user account, which provides access security when applied in networking environment.

### Small Footprint and Have System Extensibility

Unlike Linux running on PC, Korenix JetOS is an optimized embedded Linux platform in Kernel and file system to have small foot print. 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 & 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 SW packages

for routing or Ethernet switching functionality. Korenix JetOS significantly reduces development time and time to market for system 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 the sample code into their own controlling programs.

### 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.

# Korenix Product Selection Guide – Industrial Router Computer



PoE Router Computer

PoE Router Computer

PoE Router Computer

Network								
Ethernet Switch	GbE x4			GbE x4				
PoE LAN				x8	x4	x4	x4	x4
Booster PoE LAN	x4	x4	x4					
Router WAN	WAN x1 Layer3 routing: OSPF, RIP, DVMRP			WAN x1 Layer3 routing: OSPF, RIP, DVMRP				WAN x1 Static routing
NAT, firewall, DMZ	●	●	●	●	●	●	●	●
IPv6	●	●	●	●	●	●	●	●
VPN	●	●	●	●	●	●	●	●
SNMP	v1,v2c,v3	v1,v2c,v3	v1,v2c,v3	v1,v2c,v3	v1,v2c,v3	v1,v2c,v3	v1,v2c,v3	v1,v2c,v3
Interface								
RS232/422/485(connector)		x4 (DB37)				x4 (DB37)		x2 (RJ45)
RS232(connector)								x2 (RJ45)
USB	x3	x3	x3	x3	x3	x3	x3	x2
DIO	DIO x8	DIO x8	DIO x8	DIO x8	DIO x8	DIO x8	DIO x8	DI x4, DO x4
CF card slot	x1	x1	x1	x1	x1	x1	x1	
SD card slot	x1	x1	x1	x1	x1	x1	x1	x1
miniPCIe & SIM card slot	x1	x1	x1					
System								
Processor	Intel IXP435 667MHz			Intel IXP435 667MHz				Atmel 180MHz
System memory	On board DDR2 128MB	On board DDR2 128MB	On board DDR2 128MB	On board DDR2 128MB	On board DDR2 128MB	On board DDR2 128MB	On board DDR2 128MB	On board SDRAM 64MB
Flash	32MB	32MB	32MB	32MB	32MB	32MB	32MB	16MB ROM
Console	3pin RS232	3pin RS232	3pin RS232	3pin RS232	3pin RS232	3pin RS232	3pin RS232	
Reset	●	●	●	●	●	●	●	●
Watchdog timer	●	●	●	●	●	●	●	●
Power on/off switch				●	●	●	●	●
DC input	12~24V, Boost to 48V PoE(one input)			48V (two main inputs)	48V (one input)	48V (one input)	48V (one input)	48V (dual redundant inputs)
Power consumptionincl. PoE	100W	100W	100W	160W	90W	90W	90W	68.8W
ME								
Mounting	Wallmount	Wallmount	Wallmount	DIN Rail	DIN Rail	DIN Rail	DIN Rail	DIN Rail
Construction	Aluminum Alloy Chassis			Aluminum Alloy Chassis				Aluminum Alloy Chassis
DimensionH x W x D (mm)	66.5 x 250 x 106.3			102 x160 x112	76 x160 x112		56 x160 x112	66 x149 x120.5
Net weight	1.07kg	1.07kg	1.07kg	1.2kg	1.07kg	1.07kg	0.9kg	0.8kg
OS								
Embedded Linux(Korenix JetOS)	JetOS95	JetOS95	JetOS95	JetOS95	JetOS95	JetOS95	JetOS95	JetOS93 lite w/Korenix web UI
Programmable	●	●	●	●	●	●	●	via Linux auto-run function
SDK								
Embedded Linux(Korenix JetOS)	cross-compile toolchain uClibc 0.9.29			cross-compile toolchain uClibc 0.9.29				cross-compile toolchain uClibc 0.9.29
Add-on SW								
Modbus GW		○					○	○
Webmin & JamVM	○	○	○	○	○	○	○	
ENV								
Operating temp.	-25~70°C	-25~70°C	-25~70°C	-25~70°C	-25~70°C	-25~70°C	-25~70°C	-25~70°C (JetBox 9310) -40~80°C (JetBox 9310-w)
Regulation	CE/FCC/UL*	CE/FCC/UL*	CE/FCC/UL*	CE/FCC/UL*	CE/FCC/UL*	CE/FCC/UL*	CE/FCC/UL*	CE/FCC/UL

● supported ○ optional \*pending

# Korenix Product Selection Guide – Industrial Router Computer



	Router Computer			Router Computer				Router Computer
<b>Network</b>								
Ethernet Switch	LAN x4, GbE x4	LAN x4	LAN x4	LAN x8	LAN x4, GbE x4	LAN x4	LAN x4	LAN x4
Router WAN	WAN x1 Layer3 routing: OSPF, RIP, DVMRP			WAN x1 Layer3 routing: OSPF, RIP, DVMRP				WAN x1 Static routing
NAT, firewall, DMZ	●	●	●	●	●	●	●	●
IPv6	●	●	●	●	●	●	●	
VPN	●	●	●	●	●	●	●	
SNMP	v1,v2c,v3	v1,v2c,v3	v1,v2c,v3	v1,v2c,v3	v1,v2c,v3	v1,v2c,v3	v1,v2c,v3	v1,v2c,v3
<b>Interface</b>								
RS232/422/485(connector)		x4 (DB37)				x4 (DB37)		x2 (RJ45)
RS232(connector)								x2 (RJ45)
USB	x3	x3	x3	x3	x3	x3	x3	x2
DIO	DIO x8	DIO x8	DIO x8	DIO x8	DIO x8	DIO x8	DIO x8	DI x4, DO x4
CF card slot	x1	x1	x1	x1	x1	x1	x1	
SD card slot	x1	x1	x1	x1	x1	x1	x1	x1
miniPCIe & SIM card slot	x1	x1	x1					
<b>System</b>								
Processor	Intel IXP435 667MHz			Intel IXP435 667MHz				Atmel 180MHz
System memory	On board DDR2 128MB	On board DDR2 128MB	On board DDR2 128MB	On board DDR2 128MB	On board DDR2 128MB	On board DDR2 128MB	On board DDR2 128MB	On board SDRAM 64MB
Flash	32MB	32MB	32MB	32MB	32MB	32MB	32MB	16MB ROM
Console	3pin RS232	3pin RS232	3pin RS232	3pin RS232	3pin RS232	3pin RS232	3pin RS232	
Reset	●	●	●	●	●	●	●	●
Watchdog timer	●	●	●	●	●	●	●	●
Power on/off switch				●	●	●	●	●
DC input	12~48V(one input)			12~48V (two main inputs)	12~48V (one input)	12~48V (one input)	12~48V (one input)	12~48V (dual redundant inputs)
Power consumptionincl. PoE	25W	25W	25W	35W	25W	25W	25W	7.2W
<b>ME</b>								
Mounting	Wallmount	Wallmount	Wallmount	DIN Rail	DIN Rail	DIN Rail	DIN Rail	DIN Rail
Construction	Aluminum Alloy Chassis			Aluminum Alloy Chassis				Aluminum Alloy Chassis
DimensionH x W x D (mm)	66.5 x 250 x 106.3			102 x160 x112	76 x160 x112	56 x160 x112		66 x149 x120.5
Net weight	1.07kg	1.07kg	1.07kg	1.2kg	1.07kg	1.07kg	0.9kg	0.8kg
<b>OS</b>								
Embedded Linux(Korenix JetOS)	JetOS95	JetOS95	JetOS95	JetOS95	JetOS95	JetOS95	JetOS95	JetOS93 lite w/Korenix web UI
Programmable	●	●	●	●	●	●	●	via Linux auto-run function
<b>SDK</b>								
Embedded Linux(Korenix JetOS)	cross-compile toolchain uClibc 0.9.29			cross-compile toolchain uClibc 0.9.29				cross-compile toolchain uClibc 0.9.29
<b>Add-on SW</b>								
Modbus GW		○				○		○
Webmin & JamVM	○	○	○	○	○	○	○	
<b>ENV</b>								
Operating temp.	-40~80°C	-40~80°C	-40~80°C	-40~80°C	-40~80°C	-40~80°C	-40~80°C	-25~70°C (JetBox 9300) -40~80°C (JetBox 9300-w)
Regulation	CE/FCC/UL*	CE/FCC/UL*	CE/FCC/UL*	CE/FCC/UL*	CE/FCC/UL*	CE/FCC/UL*	CE/FCC/UL*	CE/FCC/UL

● supported ○ optional \*pending

# Korenix Product Selection Guide – Industrial Communication Computer



JetBox 8210



JetBox 8152



JetBox 8150



JetBox 8100

	RISC-based	X86-based	X86-based	X86-based
<b>Network</b>				
Ethernet link only	x2	x2	x2	x1
VPN		○	○	
SNMP	OS support & DIO sample code	OS support	OS support	OS support
<b>Interface</b>				
RS232/422/485(connector)	x2 (DB9)	x1 (DB9)	x1 (DB9)	x1 (DB9)
RS232(connector)	x2 (DB9)		x1 (DB9)	x1 (DB9)
CAN(connector)		x1 (DB9)		
USB	x4 (1.1)	x2 (2.0)	x2 (2.0)	x2 (2.0)
DIO	DI x16, DO x16			
CF card slot	x1	x1	x1	x1
2.5" HD slot		SATA x1	SATA x1	IDE x1
PS2				KB/MS
VGA(VGA memory)	x1 (8MB)	x1 (Max. 128MB)	x1 (Max. 128MB)	x1 (Max. 64MB)
Audio	AC97	High definition	High definition	AC97
<b>System</b>				
Processor	Intel PXA270 RISC 416MHz	VIA Eden V4X86 1GHz 128K L2 cache	Media processor CX700M	AMD LX800 X86 500MHz
System memory	On board SDRAM 128MB	Removable DDR2 1GB200pin SoDIMM		Removable SDRAM 256/512MB
Flash				
Console				
Reset	●	●	●	●
Watchdog timer	●	●	●	●
DC input	9~36V	12~24V	12~24V	12~24V
Power consumption	5W (CPU loading)	16W	16W	16W
<b>ME</b>				
Mounting	Wallmount	DIN Rail	DIN Rail	DIN Rail
Construction	Aluminum Alloy Chassis	Aluminum Alloy Chassis	Aluminum Alloy Chassis	Sheet Metal Case
DimensionH x W x D (mm)	66.5 x 250 x 106.3	50 x 145 x 102	50 x 145 x 102	44.2 x 123 x 120
Net weight	1.07kg	0.7kg	0.7kg	0.7kg
<b>OS</b>				
Embedded Linux(Korenix JetOS)	Kernel 2.6.18			Kernel 2.6.18
Linux		Fedora10	Fedora10	
WinCE	WinCE5.0			WinCE5.0
XPe		●	●	
Programmable	●	●	●	●
<b>SDK</b>				
Embedded Linux(Korenix JetOS)	cross-compile toolchain uClibc 0.9.29			compile toolchain glibc2.3.x
WinCE	WinCE5.0 SDK .Net Compact Framework			WinCE5.0 SDK .Net Compact Framework
XPe		Driver	Driver	
<b>Add-on SW</b>				
Modbus GW	○			○
<b>ENV</b>				
Operating temp.	-15~70°C	-15~70°C	-15~70°C	-15~70°C
Regulation	CE/FCC	CE/FCC	CE/FCC	CE/FCC

● supported ○ optional \*pending

# Korenix Product Selection Guide – Industrial Communication Computer



JetBox 5432-w



JetBox 5430-w



JetBox 5300-w



JetBox 3350i-w



JetBox 3300-w

RISC-Based

RISC-Based

RISC-Based

RISC-Based

RISC-Based

<b>Network</b>					
Ethernet link only			x2	x2	x2
Ethernet Switch	LAN x4	LAN x4	○		
Router	WAN x1	WAN x1			
ser2net	○	○	○	○	○
Ethernet bridge				○	○
IPv6	●	●			
VPN	●	●			
SNMP	v1,v2c,v3	v1,v2c,v3	agent	agent	agent
<b>Interface</b>					
RS232/422/485(connector)	x4 (DB37)		x2(RJ45)	x2.2KV isolation (RJ45)	x2(RJ45)
RS232(connector)			x2 (RJ45)		
USB	x1 (2.0)	x1 (2.0)	x2 (2.0)	x2 (2.0)	x2 (2.0)
DIO			DI x4, DO x4		DI x8, DO x8
SD/mSD card slot			SD x1	mSD x1	mSD x1
<b>System</b>					
Processor	Intel IXP435 400MHz	Intel IXP435 400MHz	Atmel 180MHz	Atmel 180MHz	Atmel 180MHz
System memory	On board DDR2 128MB	On board DDR2 128MB	On boardSDRAM 64MB	On boardSDRAM 64MB	On boardSDRAM 64MB
Flash	32MB	32MB	16MB ROM	16MB ROM	16MB ROM
Console	3pin RS232	3pin RS232			
Reset	●	●	●	●	●
Watchdog timer	●	●	●	●	●
DC input	12~48V	12~48V	12~48V	12~48V	12~48V
Power consumption	25W	25W	7.2W	7.2W	7.2W
<b>ME</b>					
Mounting	DIN Rail	DIN Rail	DIN Rail	Wall mount/DIN Rail	Wall mount/DIN Rail
Construction	Aluminum Alloy Chassis	Aluminum Alloy Chassis	Aluminum Alloy Chassis	Aluminum Alloy Chassis	Aluminum Alloy Chassis
DimensionH x W x D (mm)	76 x160 x112	56 x160 x112	66 x149 x120.5	109 x 88 x27	109 x 88 x27
Net weight	0.9kg	0.9kg	0.7kg	0.5kg	0.5kg
<b>OS</b>					
Embedded Linux(Korenix JetOS)	JetOS95 (Kernel 2.6.20)	JetOS95 (Kernel 2.6.20)	JetOS93 lite (Kernel 2.6.21)	JetOS93 lite (Kernel 2.6.21)	JetOS93 lite (Kernel 2.6.21)
Programmable	●	●	●	●	●
<b>SDK</b>					
Embedded Linux(Korenix JetOS)	cross-compile toolchainuClibc 0.9.29	cross-compile toolchainuClibc 0.9.29	cross-compile toolchainuClibc 0.9.29	cross-compile toolchainuClibc 0.9.29	cross-compile toolchainuClibc 0.9.29
<b>Add-on SW</b>					
Modbus GW			○	○	○
<b>ENV</b>					
Operating temp.	-40~80°C	-40~80°C	-40~80°C	-40~80°C	-40~80°C
Regulation	CE/FCC	CE/FCC	CE/FCC	CE/FCC	CE/FCC

● supported ○ optional \*pending

## JetBox 9563G

### Embedded 4-Port GbE & 5-Port Booster PoE VPN Routing Computer

- Intel IXP 435 667MHz networking processor
- VPN, DMVPN for enhanced secure networking
- Complete layer3 routing: OSPF, RIP, DVMRP, IPv6
- DC 12~24V Boost 48V 4-port PoE delivers full 15.4W per port, 60W per unit
- 4-port Gigabit Ethernet for high-bandwidth data transmission
- Full managed features with QoS, VLAN, PoE scheduling
- Versatile interfaces of USB, DIO, SD control
- miniPCle & SIM slot for mobile module (GSM/GPRS/3G/HSUPA)
- Embedded Linux UI—Modulized Webmin, capable of running customized control programs
- Cross-platform applications by JamVM
- Fan-less and ruggedized industrial design for anti-vibration, anti-shock
- -25~70°C operating temperature



4GbE	12~24V Booster PoE	60W	DIO	USB
SD/CF Card	miniPCle	SIM	JamVM	Linux SDK
L3 Router	VPN	IPv6		

## JetBox 9562

### Embedded 5-Port Booster & 4-Port Serial PoE VPN Routing Computer

- Intel IXP 435 667MHz networking processor
- VPN, DMVPN for enhanced secure networking
- Complete layer3 routing: OSPF, RIP, DVMRP, IPv6
- DC 12~24V Boost 48V 4-port PoE delivers full 15.4W per port, 60W per unit
- 4-port RS 232/422/485 (DB37 connector), supporting TCP server/client and paired TCP modes
- Full managed features with QoS, VLAN, PoE scheduling
- Versatile interfaces of USB, DIO, SD control
- miniPCle & SIM slot for mobile module (GSM/GPRS/3G/HSUPA)
- Embedded Linux UI—Modulized Webmin, capable of running customized control programs
- Cross-platform applications by JamVM
- Fan-less and ruggedized industrial design for anti-vibration, anti-shock
- -25~70°C operating temperature



12~24V Booster PoE	4 RS 232/ 422/485	60W	DIO	USB
SD/CF Card	miniPCle	SIM	Modbus	JamVM
Linux SDK	L3 Router	VPN	IPv6	

## JetBox 9560

### Embedded 5-Port Booster PoE VPN Routing Computer

- Intel IXP 435 667MHz networking processor
- VPN, DMVPN for enhanced secure networking
- Complete layer3 routing: OSPF, RIP, DVMRP, IPv6
- DC 12~24V Boost 48V 4-port PoE delivers full 15.4W per port, 60W per unit
- Full managed features with QoS, VLAN, PoE scheduling
- Versatile interfaces of USB, DIO, SD control
- miniPCle & SIM slot for mobile module (GSM/GPRS/3G/HSUPA)
- Embedded Linux UI—Modulized Webmin, capable of running customized control programs
- Cross-platform applications by JamVM
- Fan-less and ruggedized industrial design for anti-vibration, anti-shock
- -25~70°C operating temperature



## JetBox 9535

### Embedded 8-Port PoE VPN Routing Computer

- Intel IXP 435 667MHz networking processor
- VPN, DMVPN for enhanced secure networking
- Complete layer3 routing: OSPF, RIP, DVMRP, IPv6
- 8-port PoE delivers full 15.4W per port, 123W per unit
- Separated two main DC 12~48V power inputs (48V for PoE)
- Full managed features with QoS, VLAN, PoE scheduling
- Versatile interfaces of USB, DIO, SD control
- Embedded Linux UI—Modulized Webmin, capable of running customized control programs
- Cross-platform applications by JamVM
- Fan-less and ruggedized industrial design for anti-vibration, anti-shock
- -25~70°C operating temperature



## JetBox 9533G

### Embedded 4-Port GbE & 4-Port PoE VPN Routing Computer

- Intel IXP 435 667MHz networking processor
- VPN, DMVPN for enhanced secure networking
- Complete layer3 routing: OSPF, RIP, DVMRP, IPv6
- 4-port PoE delivers full 15.4W per port, 60W per unit
- DC 12~48V power input (48V for PoE)
- 4-port Gigabit Ethernet for high-bandwidth data transmission
- Full managed features with QoS, VLAN, PoE scheduling
- Versatile interfaces of USB, DIO, SD control
- Embedded Linux UI—Modulized Webmin, capable of running customized control programs
- Cross-platform applications by JamVM
- Fan-less and ruggedized industrial design for anti-vibration, anti-shock
- -25~70°C operating temperature



4GbE	4 PoE	60W	DIO
USB	SD/CF Card	JamVM	Linux SDK
L3 Router	VPN	IPv6	

## JetBox 9532

### Embedded 4-Port Serial & 4-Port PoE VPN Routing Computer

- Intel IXP 435 667MHz networking processor
- VPN, DMVPN for enhanced secure networking
- Complete layer3 routing: OSPF, RIP, DVMRP, IPv6
- 4-port PoE delivers full 15.4W per port, 60W per unit
- DC 12~48V power input (48V for PoE)
- 4-port RS232/422/485 (DB37 connector), supporting TCP server/client and paired TCP modes
- Full managed features with QoS, VLAN, PoE scheduling
- Versatile interfaces of USB, DIO, SD control
- Embedded Linux UI—Modulized Webmin, capable of running customized control programs
- Cross-platform applications by JamVM
- Fan-less and ruggedized industrial design for anti-vibration, anti-shock
- -25~70°C operating temperature



4 RS 232/422/485	4 PoE	60W	DIO
USB	SD/CF Card	Modbus	JamVM
Linux SDK	L3 Router	VPN	IPv6

## JetBox 9530

### Embedded 4-Port PoE VPN Routing Computer

- Intel IXP 435 667MHz networking processor
- VPN, DMVPN for enhanced secure networking
- Complete layer3 routing: OSPF, RIP, DVMRP, IPv6
- 4-port PoE delivers full 15.4W per port, 60W per unit
- DC 12~48V power input (48V for PoE)
- Full managed features with QoS, VLAN, PoE scheduling
- Versatile interfaces of USB, DIO, SD control
- Embedded Linux UI—Modulized Webmin, capable of running customized control programs
- Cross-platform applications by JamVM
- Fan-less and ruggedized industrial design for anti-vibration, anti-shock
- -25~70°C operating temperature



## JetBox 9310 / 9310-w

### PoE Networking Computer

- RISC CPU with low power consumption
- IP routed, static routing, NAT (firewall), DMZ
- 4-port PoE delivers full 15.4W per port, 60W per unit
- DC 12~48V power input (48V for PoE)
- Full managed features with QoS, VLAN
- 2-port RS232/422/485 and 2-port RS232, supporting VCOM, TCP server/client, UDP and paired TCP modes
- Versatile interfaces of USB, DIO, SD card slot
- 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
- Linux Auto-run SD card for customized configuration
- -25~70°C operating temperature for JetBox 9310, -40~80°C for JetBox 9310-w



## JetBox 9463G-w

### Embedded 4-Port GbE VPN Routing Computer with expansion slot

- Intel IXP 435 667MHz networking processor
- VPN, DMVPN for enhanced secure networking
- Complete layer3 routing: OSPF, RIP, DVMRP, IPv6
- 4-port Gigabit Ethernet for high-bandwidth data transmission
- miniPCle & SIM slot for mobile module (GSM/GPRS/3G/HSUPA)
- Versatile interfaces of USB, DIO, SD control
- Full managed features with QoS, VLAN
- NTP for network time management
- Embedded Linux UI—Modulized Webmin, capable of running customized control programs
- Linux Auto-run SD card for customized configuration
- Cross-platform applications by JamVM
- DC 12~48V power input
- Fan-less and ruggedized industrial design for anti-vibration, anti-shock,
- -40~80°C operating temperature



4GbE	DIO	USB	SD/CF Card
miniPCle	SIM	JamVM	Linux SDK
VPN	IPv6	-40~80°C	

## JetBox 9462-w

### Embedded 4-port Serial VPN Routing Computer with expansion slot

- Intel IXP 435 667MHz networking processor
- VPN, DMVPN for enhanced secure networking
- Complete layer3 routing: OSPF, RIP, DVMRP, IPv6
- miniPCle & SIM slot for mobile module (GSM/GPRS/3G/HSUPA)
- 4-port RS232/422/485 (DB37 connector), supporting TCP server/client and paired TCP modes
- Versatile interfaces of USB, DIO, SD control
- Full managed features with QoS, VLAN
- NTP for network time management
- Embedded Linux UI—Modulized Webmin, capable of running customized control programs
- Linux Auto-run SD card for customized configuration
- Cross-platform applications by JamVM
- DC 12~48V power input
- Fan-less and ruggedized industrial design for anti-vibration anti-shock
- -40~80°C operating temperature



4 RS 232/422/485	DIO	USB	SD/CF Card
miniPCle	SIM	Modbus	JamVM
Linux SDK	VPN	IPv6	-40~80°C

## JetBox 9460-w

### Embedded 4-port VPN Routing Computer with expansion slot

- Intel IXP 435 667MHz networking processor
- VPN, DMVPN for enhanced secure networking
- Complete layer3 routing: OSPF, RIP, DVMRP, IPv6
- miniPCle & SIM slot for mobile module (GSM/GPRS/3G/HSUPA)
- Versatile interfaces of USB, DIO, SD control
- Full managed features with QoS, VLAN
- NTP for network time management
- Embedded Linux UI—Modulized Webmin, capable of running customized control programs
- Linux Auto-run SD card for customized configuration
- Cross-platform applications by JamVM
- DC 12~48V power input
- Fan-less and ruggedized industrial design for anti-vibration, anti-shock
- -40~80°C operating temperature

Programmable



CE FC ~~RoHS~~ RoHS

DIO	USB	SD/CF Card	miniPCle	SIM
JamVM	Linux SDK	VPN	IPv6	-40~80°C

## JetBox 9435-w

### Embedded 8-port VPN Routing Computer

- Intel IXP 435 667MHz networking processor to enhance routing and VPN performance
- VPN, DMVPN for enhanced secure networking
- Complete layer3 routing: OSPF, RIP, DVMRP, IPv6
- Versatile interfaces of USB, DIO, SD control
- Full managed features with QoS, VLAN
- NTP for network time management
- Embedded Linux UI—Modulized Webmin, capable of running customized control programs
- Linux Auto-run SD card for customized configuration
- Cross-platform applications by JamVM
- Separated two main DC 12~48V power inputs
- Fan-less and ruggedized industrial design for anti-vibration, anti-shock
- -40~80°C operating temperature

Programmable



CE FC ~~RoHS~~ RoHS

DIO	USB	SD/CF Card	JamVM	Linux SDK
L3 Router	VPN	IPv6	-40~80°C	

## JetBox 9433G-w

### Embedded 4-port GbE VPN Routing Computer

- Intel IXP 435 667MHz networking processor to enhance routing and VPN performance
- VPN, DMVPN for enhanced secure networking
- Complete layer3 routing: OSPF, RIP, DVMRP, IPv6
- 4-port Gigabit Ethernet for high-bandwidth data transmission
- Versatile interfaces of USB, DIO, SD control
- Full managed features with QoS, VLAN
- NTP for network time management
- Embedded Linux UI—Modulized Webmin, capable of running customized control programs
- Linux Auto-run SD card for customized configuration
- Cross-platform applications by JamVM
- DC 12~48V power input
- Fan-less and ruggedized industrial design for anti-vibration, anti-shock
- -40~80°C operating temperature



4GbE	DIO	USB	SD/CF Card	JamVM
Linux SDK	L3 Router	VPN	IPv6	-40~80°C

## JetBox 9432-w

### Embedded 4-port Serial VPN Routing Computer

- Intel IXP 435 667MHz networking processor to enhance routing and VPN performance
- VPN, DMVPN for enhanced secure networking
- Complete layer3 routing: OSPF, RIP, DVMRP, IPv6
- 4-port RS232/422/485 (DB37 connector), supporting TCP server/client and paired TCP modes
- Versatile interfaces of USB, DIO, SD control
- Full managed features with QoS, VLAN
- NTP for network time management
- Embedded Linux UI—Modulized Webmin, capable of running customized control programs
- Linux Auto-run SD card for customized configuration
- Cross-platform applications by JamVM
- DC 12~48V power input
- Fan-less and ruggedized industrial design for anti-vibration, anti-shock
- -40~80°C operating temperature



4 RS 232/422/485	DIO	USB	SD/CF Card
Modbus	JamVM	Linux SDK	L3 Router
VPN	IPv6	-40~80°C	

## JetBox 9430-w

### Embedded 4-port VPN Routing Computer

- Intel IXP 435 667MHz networking processor to enhance routing and VPN performance
- VPN, DMVPN for enhanced secure networking
- Complete layer3 routing: OSPF, RIP, DVMRP, IPv6
- Versatile interfaces of USB, DIO, SD control
- Full managed features with QoS, VLAN
- NTP for network time management
- Embedded Linux UI—Modulized Webmin, capable of running customized control programs
- Linux Auto-run SD card for customized configuration
- Cross-platform applications by JamVM
- DC 12~48V power input
- Fan-less and ruggedized industrial design for anti-vibration, anti-shock
- -40~80°C operating temperature

Programmable



CE FC ~~RoHS~~



## JetBox 9300 / 9300-w

### Networking Computer

- RISC CPU with low power consumption
- IP routed, static routing, NAT (firewall), DMZ
- Full managed features with QoS, VLAN
- 5 Ethernet ports for high network connectivity
- 2-port RS232/422/485 and 2-port RS232, supporting VCOM, TCP server/client, UDP and paired TCP modes
- Versatile interfaces of USB, DIO, SD card slot
- Easy management with DIO
- 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
- DC 12~48V power input
- -25~70°C operating temperature for JetBox 9300, -40~80°C for JetBox 9300-w

Linux auto-run



Golden Penguin Award



CE FC ~~RoHS~~



## JetBox 5430-w / 5432-w

### Embedded (Serial) VPN Linux Computer

- Intel IXP435 400MHz Networking Processor to enhance routing and VPN performance
- Complete Layer3 routing: OSPF, RIP, DVMRP, IPv6
- Full managed features with QoS and VLAN
- 4-port RS232/422/485 (DB37 connector), supporting TCP server/client and paired TCP modes (JetBox 5432-w)
- Embedded Linux ready for easy maintenance
- DC 12~48V power inputs
- -40~80°C wide operating temp, fanless



JetBox 5430-w

JetBox 5432-w



## JetBox 8210

### Industrial RISC Communication Computer

- **High performance with low power consumption:**
  1. Intel XScale PXA270 RISC 416MHz
  2. System memory 128MB, 8MB VGA
- **Plentiful interfaces:**  
Dual Ethernet, 16 DI/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, Fanless
- **Ready to use:**
  1. Embedded Linux/WinCE OS ready by optional CF card
  2. System Management Utility
  3. Application Development Environment
  4. Modbus gateway (optional)



## JetBox 5300-w

### Embedded 2 LAN & 4 Serial Linux Computer

- RISC CPU 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-port RS232/422/485: TCP server mode for device remote control
- 2 LAN ports for Daisy-Chain Controller
- Modbus gateway (optional)
- Dual DC 12~48V redundant power inputs for system reliability
- -40~80°C wide operating temp, fanless



CE FC ~~RoHS~~

- 2 RS 232/422/485
- 2 RS 232
- DIO
- USB
- SD Card
- Linux SDK
- Modbus
- 40~80°C

## JetBox 3300-w / 3350i-w

### Embedded Compact 2 LAN & 2 (Isolated) Serial Linux Computer

- Atmel ARM AT91RM9200 180 MHz Networking Processor with low power consumption for reliable performance
- Embedded Linux ready compact system for easy maintenance
- Linux SDK for quick time-to-market
- 2 LAN ports for Daisy-Chain Controller
- 2 USB for data storage
- 2 RS232/422/485 and 8DI & 8DO for device and signal control (JetBox 3300-w)
- 2KV Serial Isolation for device protection (JetBox 3350i-w)
- One microSD card slot for customized configurations
- Fan-less, ruggedized industrial design for anti-vibration/shock and -40~80°C wide operating temperature



CE FC ~~RoHS~~

- 2 RS 232/422/485
- 2KV Serial
- DIO
- USB
- micor SD Card
- Linux SDK
- Modbus
- 40~80°C

## JetBox 8150 / 8152

### Industrial Communication Computer (with CANbus)

- **High Performance Multimedia Processor**
  1. VIA Eden V4 1GHz, 128K L2 cache
  2. Multimedia processor CX700M
  3. DDR2 1GB (200-pin SoDIMM)
  4. Max. 128MB VGA memory
  5. High resolution audio
- **Sophisticated Enclosure for Demanding Operation**
  1. Fan-less, aluminum heat-sink frame housing to enhance heat dispersion
  2. Industrial design for anti-vibration & anti-shock
- **Abundant Interfaces to Integrate Connectivity**
  1. Dual Ethernet, 2 COM, 2 USB (JetBox 8150)
  2. Dual Ethernet, 1 COM, 1 CAN, 2 USB (JetBox 8152)
  3. 1 CompactFlash Card Type I/II Socket
  4. 1 SATA (2.5" HD option)
  5. 2 Audio connectors (Mic/ Line-in & Line-out)
- **Ready-to-use**
  1. Windows XP embedded with system development kit
  2. XPe CANbus (Optional) (JetBox 8152)
  3. Linux Fedora10 with VPN
  4. Linux CANbus (optional) (JetBox 8152)



JetBox 8150

JetBox 8152



## JetBox 8100

### Industrial Communication Computer

- **Efficient and steady**
  1. AMD GEODE LX800 500MHz
  2. System memory 256MB, 64MB VGA
  3. -15~70°C operating temperature for hazardous environment application
- **Small volume with core interfaces**  
 Ethernet, 2COM, 2USB, VGA, Audio, PS2 (KB/Mouse)  
 IDE Slot (2.5" HD or DOM), CF card slot
- **Ready to use:**
  1. Embedded Linux/WinCE/XPe OS ready by optional CF card, DOM or 2.5" HD
  2. System Management Utility
  3. Application Development Environment
  4. Modbus gateway (optional)

