

## 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



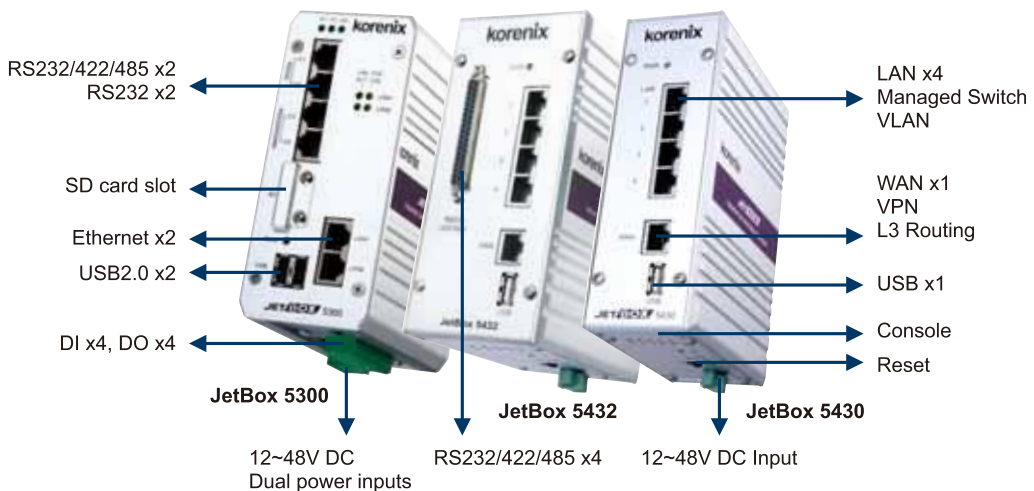
## JetBox 5430-w / 5432-w Programmable

### 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