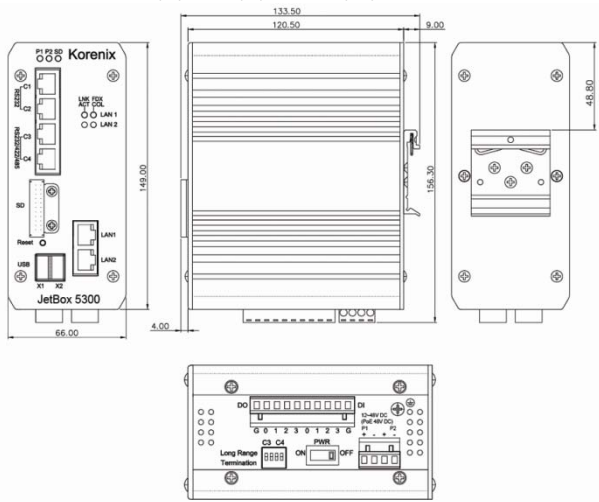


Packing List

- JetBox 5300-w
- Serial cable (RJ45 to DB9 male, 150cm) x1
- Attached 4-pin power terminal block
- Attached 10-pin DIO terminal block
- Attached blanket to cover SD card slot
- Quick installation guide
- Documentation and software CD-ROM

Overview

Dimension: 66(D) x 149(H) x 120.5(W) mm



Net weight: 800g

Operating Temp:

-40 ~ 80 °C, 5 to 95% RH

DIN rail Mount:

The aluminum DIN rail attachment on the back of JetBox 5300-w is used to snap into the DIN rail plate.



Interfaces:

- 2 x 10/100 Based-Tx
- 2 x USB 2.0 (Host)
- 2 x RS232/422/485 and 2 x RS232
- 4 x DI and 4x DO

LED per unit:

- Power On/off x2 (Green on/off)
- SD card x1 (Green plug/unplug)

LED per port:

- Link/Activity x2 (Green on/Green blinking)
- Full Duplex/ Collision x2 (Orange on/ Orange blinking)

Power Supply: DC input: 12 ~ 48 V dual inputs with reverse protection and redundancy

Power consumption: 6.5W

Notice: Improper power input will damage the device.

Hardware Interface

Power switch

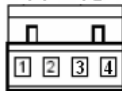
On/Off



Power Connector:

Connect the DC power line to the DC terminal block at the bottom of JetBox 5300-w and turn on the power switch. If the power is properly supplied, the power LED (P1 or P2 or both) on the front panel will show a solid green color.

12~48V DC
P1 P2



Pin	Power Signal Name
1	VCC
2	GND
3	VCC
4	GND

COM port with RJ45 connector

COM1: Full RS232

COM2: Half RS232

COM3: Half RS232/422/485

COM4: Half RS232/422/485



RJ45 connector

	RS-232 Full-function	RS-232 Half-function	RS-422	RS-485 (2-wire)	RS-485 (4-wire)
1	DSR				
2	RTS	RTS			
3	GND	GND	GND	GND	GND
4	TxD	TxD	TxD+(B)	DATA+	TxD+(B)
5	RxD	RxD	RxD+(B)		RxD+(B)
6	DCD		RxD-(A)		RxD-(A)
7	CTS	CTS			
8	DTR		TxD-(A)	DATA-	TxD-(A)

Long Range Termination Switch

DIP1 DIP3	DIP2 DIP4	Description
On	On	120ohm Terminator for Long Distance 4-wire RS-422/485
Off	On	This setting will cause ERRORS!
On	Off	120ohm Terminator for Long Distance 2-wire RS-485
Off	Off	No Terminator for RS-232/422/485 (short distance)

C3 C4



DIO

Four Digital inputs: Low (0V), High (2~5V)

DI max input current = 5uA

Four Digital outputs: Low (0V), High (2.5~3.3V)

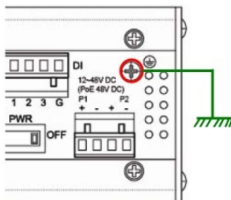
Max. 24mA@3V



★Notice: Over voltage current for digital input will damage JetBox.

Grounding

Connecting grounding screw to the earth ground will help to reduce the interference of noise.



Software Specifications (Linux2.6.21)

The entire JetBox 5300-w system can be controlled by SNMP

Device Drivers: SD Card, USB, Watchdog Timer, UART, Ethernet

Linux Tool Chain: Gcc, uClibc

Serial service modes: TCP server

Management Interface

On a standard PC Host with Windows Operation system, follow the steps to login into Linux interface of JetBox 5300-w

Go to Start| Run, type in “cmd” and then press Enter.

➤ Telnet JetBox 5300-iw IP address (the default IP address of LAN port is 192.168.10.1)

★Note: the PC and JetBox 5300-w need to be in the same network IP area.

➤ Enter the username and password for login. The default username is *root* and no password.

System upgrade

The system can be updated through TFTP server. It takes a few minutes depending on the file size.

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