

Wecon Industrial Gateway Comparison



Wecon V-BOX H Series Comparison

Main Features:

- V-BOX is a device for use in remote debugging, web SCADA, API interface, app monitoring.
- Get data via RS-232 / RS-485 / Ethernet communication, Modbus RTU / [Modbus TCP communication](#).
- Supports communication protocols of the main brands of PLC, frequency inverters, network analyzers, among others.
- Connects to the cloud platform through Ethernet, WiFi, 4G connectivity.
- Remote monitoring with upload and download option of PLC programming (Wecon).
- Offers WVPN for remote connection to different PLC brands.
- OPC access.
- Development of SCADA in the cloud.
- Datalogger and download of data, alarms and history directly to Excel.
- Access available from mobile devices through the [V-Net app \(Android / iOS\)](#).
- High Performance CPU for efficient processing.
- 128MB Flash and DDRIII 128MB RAM for storage and memory.
- USB Host/Device: USB OTG Switch for versatile connectivity.
- 3 Ethernet Ports (2LAN+1WAN) for robust network connections.
- 2 inputs with optocoupler isolation; 2 relay outputs for digital I/O.
- PC+ABS enclosure for durability.

- CE and FCC Class A certifications for compliance.
- HTTP Interface, Remote Update, Configuration Backup, and Off-line Transmission for enhanced functionality.

V-BOX H Series Comparison

Item	V-BOX H-00	V-BOX H-WF	V-BOX H-AG (global)
Model	V-BOX H-00	V-BOX H-WF	V-BOX H-AG (global)
OS	Linux	Linux	Linux
CPU	Cortex A7	Cortex A7	Cortex A7
Flash	128MB	128MB	128MB
RAM	DDRIII 128MB	DDRIII 128MB	DDRIII 128MB
SD Card	N/A	N/A	N/A
Micro USB	USB Host/Device: USB OTG Switch	USB Host/Device: USB OTG Switch	USB Host/Device: USB OTG Switch
Serial Port	COM1: RS232, RS485/RS422 (2 in 1) COM2: RS485 COM3: RS485	COM1: RS232, RS485/RS422 (2 in 1) COM2: RS485 COM3: RS485	COM1: RS232, RS485/RS422 (2 in 1) COM2: RS485 COM3: RS485

Item	V-BOX H-00	V-BOX H-WF	V-BOX H-AG (global)
Digital I/O	2 inputs with optocoupler isolation; 2 relay outputs	2 inputs with optocoupler isolation; 2 relay outputs	2 inputs with optocoupler isolation; 2 relay outputs
Ethernet Port	3 Ethernet Ports (2LAN+1WAN)	3 Ethernet Ports (2LAN+1WAN)	3 Ethernet Ports (2LAN+1WAN)
WIFI Module	N/A	YES	N/A
Power Supply	24Vcc (12~28VDC)	24Vcc (12~28VDC)	24Vcc (12~28VDC)
Power Consumption	<10W	<10W	<10W
Enclosure	PC+ABS	PC+ABS	PC+ABS
Dimension (WHD)	131.0mm100.5mm46.0 mm	131.0mm100.5mm46.0 mm	131.0mm100.5mm46.0 mm
Weight (KG)	0.3	0.3	0.3

Item	V-BOX H-00	V-BOX H-WF	V-BOX H-AG (global)
Vibration Resistance	10-25Hz (X, Y, Z direction 2G/30 minutes)	10-25Hz (X, Y, Z direction 2G/30 minutes)	10-25Hz (X, Y, Z direction 2G/30 minutes)
Storage Temperature	-20°C~70°C	-20°C~70°C	-20°C~70°C
Working Temperature	-10°C~60°C	-10°C~60°C	-10°C~60°C
Relative Humidity	10-85% RH (Non-condensing)	10-85% RH (Non-condensing)	10-85% RH (Non-condensing)
CE Certification	CE Marked	CE Marked	CE Marked
FCC Certification	FCC Class A	FCC Class A	FCC Class A
HTTP Interface	Yes	Yes	Yes

Item	V-BOX H-00	V-BOX H-WF	V-BOX H-AG (global)
Remote Update	Yes	Yes	Yes
Configuration Backup	Yes	Yes	Yes
Off-line Transmission	Yes	Yes	Yes
GPS	N/A	N/A	LBS
WIFI/4G	N/A	WIFI	4G
WVPN	N/A	Yes	Yes
Pass-through	N/A	Yes	Yes
Script	Yes	Yes	Yes
COM	4 in 3	4 in 3	4 in 3

Item	V-BOX H-00	V-BOX H-WF	V-BOX H-AG (global)
Ethernet	3	3	3
Monitoring	300	300	600
Alarm	200	200	300
Data Record	50	50	100
Validity	90 days / 1 million	90 days / 1 million	180 days / 1 million