

Specification

Hardware

CPU : ARM-9 CPU Linux OS, 200 MHz,
RAM : 32MB Internal SRAM
ROM : 64M Bits Flash ROM
Watchdog : Built in H/W Watchdog timer

WLAN

Standard : 802.11b/g/n
Data Rate : 11/54/72.2 Mbps @ 20Mhz Band Width
Modulation : DSSS; OFDM
Frequency : 2.4GHz
Tx Power 11b: Max. 19dBm
Tx Power 11g/n: Max. 16dBm
Rx Sensitivity: -73dBm @ 54Mbps; -86dBm @ 11Mbps
Tx Rate : Max. 54Mbps with auto fallback
Tx Distance: Up to 100m
Security : WEP 64-bit / 128-bit data encryption,
AES, WPA / WPA2 personal, WPS2.0, WAPI
Antenna : 2 dBi ; RP-SMA connector
Network Mode Infrastructure; Ad-Hoc; Soft AP (for Setup)
Mode : TCP Server / TCP Client / UDP / Virtual Com /
Pairing
Setup : HTTP Browser Setup (IE, Chrome, Firefox)
Security : Login Password

Serial Interface

Port number : 1
Port Type : RS-232 or RS-422/485 software selectable
Connector : Male DB9 / 7-pin Terminal Block
Speed : 110 bps ~ 115.2 Kbps
Parity : None , Odd , Even , Mark , Space
Data Bit : 5, 6 , 7 , 8
Stop Bit : 1 , 1.5, 2
Built-in : RTC
Protection : 422/485 Surge & Over Current Protection
Built in 15KV ESD protection for all signals

Features

- Supports 802.11b/g/n
- Operation Modes : TCP server; TCP client; UDP; Virtual COM; Serial Tunnel
- Built in 15KV ESD protection for signals
- Web Browser Configuration
- Easy Wireless setup by Mobile Phone
- On line F/W upgrade

Software Features

Protocol : ICMP, IP, TCP, UDP, DHCP, ARP , DNS, HTTP, SMTP, SNTP
OS Supported : Win 2000/2003/XP/Vista/Win 7/Win 8
Configuration : Window Utility, Web Browser

Power

Input: DC 9 ~24V, 200mA@ 12VDC

Environment

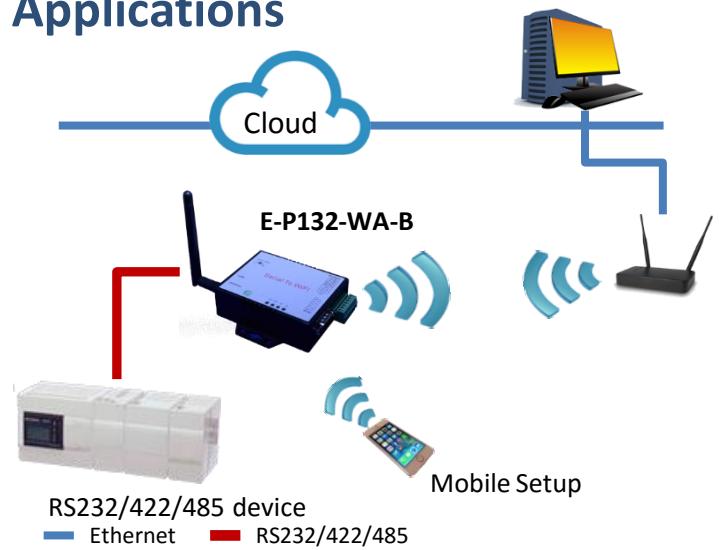
Temperature : Operating: -10°C ~ 65°C (14°F ~ 149°F)
Storage: -20°C ~ 70°C (-4°F ~ 158°F)
Humidity : Operating: 10% ~ 95% non-condensing
Storage: 5% ~ 95% non-condensing

Regulatory Approval

FCC Part15 Class B
CE EN55022 Class B, EN55024
RoHS Compliance

Warranty: 1 Year

Applications



Product specifications are subject to change without notice

KSH International – Control with Cloud

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Note

Appendix: FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC RF Radiation Exposure Statement

1. The equipment complies with RF exposure limits set forth for an uncontrolled environment. The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.
3. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference and
- (2) this device must accept any interference received, including interference that may cause undesired operation