

WB5ac-S-Ex Product Specifications Document

Description:

YUNCORE® WB5ac-S-Ex It is a high-performance, high-speed outdoor long-range omnidirectional wireless bridge, featuring long transmission distance, strong penetration capability, and excellent anti-interference performance.

Features:

- Features an SMA connector (external thread, internal pin) for compatibility with various antennas, enabling transmissions of up to 30 km.
- Incorporates dedicated TVS lightning protection components, significantly enhancing the product's reliability in harsh environmental conditions.
- TDMA intelligent dynamic polling protocol with ATPC (Automatic Transmit Power Control);
- Supports non-standard frequencies (4.9 – 6.1GHz) and narrowband operation (5/10MHz).;



| Specifications | |
|---------------------------------|--|
| 5GHz Operating Frequency Band | 5.150GHz ~ 5.850GHz |
| 5GHz WIFI Transmission Protocol | 802.11 a / n /ac |
| Wireless Speed | 867Mbps |
| Host Antenna Interface | 2 × RP-SMA-J connectors (external thread, internal pin) |
| 5GHzWireless power | < 26 ± 2dBm |
| Interface (WAN) | 1/10/100/1000M Self-adaptive WAN Port, Supports PoE 24V power supply; |
| Interface (LAN) | 1/10/100/1000M Self-adaptive LAN Port |
| Power supply | PoE 24V Passive and DC 12-24V; Customizable IEEE 802.3af-compliant 48V PoE version available |

| | |
|---------------------------|--|
| Max Power Consumption | < 10W |
| RST Button | hold 6-10 seconds to restore factory defaults |
| Status indicator | SYS LED、WAN Port LED、LAN Port LED、Signal Strength LEDs ×5 |
| Product Dimensions、Weight | 186×86×40mm、0.4kg (Weight) |
| Work Environment | Working:-30°C to 55°C; Storage: -40°C to 70°C; Humidity: 5% ~ 95% (Non-Condensing) |
| IP-rated protection | IP65 |

| Software Features | |
|---------------------|--|
| Dashboard | Device Information, Wireless Information, Network Information, Port Information |
| Wireless Technology | Intelligent Dynamic Polling, Auto Channel Selection, Auto Modulation Selection, Automatic Transmit Power Control (ATPC), Backup SSID |
| Wireless Security | WPA/WPA2 Personal Encryption, WPA/WPA2 Enterprise Encryption, WACL (Wireless Access Control List), Client Isolation |
| Wireless QoS | TDMA-based 4-level Priority Queuing, Bandwidth Limiting |
| Network Mode | IPv4 IPv6 Bridge, Router |
| Network Technology | VLAN Support, VLAN Transparent Transmission, STP (Spanning Tree Protocol) |
| WAN Protocol | Static IP, DHCP Client |
| Services | DHCP Server, SNMP Service, NTP Client, Ping Watchdog, System Alerts, mDNS, CDP/LLDP (Cisco Discovery Protocol/Link Layer Discovery Protocol), SSDP (Simple Service Discovery Protocol), GRE Tunnel, PPPoE Intermediate Agent |
| Management | HTTP GUI, SSH, SNMP read, WNMS, TelGet, Cloud Platform, Remote Logging |
| Tools | Site Survey, Connection Test, Antenna Alignment, Traceroute |
| Device Management | Basic Device Information Settings, System Configuration, User Management, LED Settings |