MIAC6500

10-Port Full Gigabit Industrial Wireless Controller (AC)

- Support 2*Gigabit fiber ports and 8*Gigabit copper ports, and can freely configure the internal/external network interface mode
- Support fast roaming function of AP under AC controller to realize roaming switching function of wireless terminal equipment
- Support AP group management and entire network management, and performs batch configuration and upgrades
- Support automatic synchronization of configuration parameters when AP goes online, and periodically report device and wireless terminal information
- Support port forwarding, IP/MAC/DNS filtering, DMZ, NAT conversion, ARP binding, DDNS, VPN, SNMP and other access control and service functions
- Support U disk boot installation and upgrade firmware for easy maintenance and management
- High-strength metal shell, dual fans for heat dissipation, operating temperature of -40℃~+65℃

Product Description

MIAC6500 is a 10-port full Gigabit rack-mounted industrial wireless controller that can centrally manage Maiwe wireless AP equipment. It provides 8*Gigabit RJ45 interfaces, 2*Gigabit SFP fiber ports, 2*USB interfaces and 1 *VGA interface. The product selects industrial-grade components and cooperates with high-standard system design and production control. The 19-inch 1U rack-mounted high-strength metal casing is sturdy and durable, with dual fans for efficient heat dissipation. It operates in a wide temperature range of -40℃~+65℃, and can adapt to various.It can operate in harsh working environments and has stable communication performance to meet the needs of various network sites.

The product supports WEB configuration of various network management functions, such as AC intelligent control, AP grouping, wireless black and white list, AP system upgrade, AP entire network management, internal and external network settings, DHCP server, static routing, VLAN settings, access control, network diagnosis, VPN Client and server, dynamic DNS, SNMP, status monitoring, etc.; the system provides user management with different permissions, supports local/remote log management, supports scheduled restart, configuration backup and recovery, firmware upgrade, and factory settings restoration. In terms of structural installation, you can flexibly choose rack type or desktop type. Products can be widely used in industrial automation, integrated energy, smart cities, smart transportation, smart mines, smart factories and other fields.

✦ Features and Benefits

- Support routing/bypass mode deployment, and can be externally connected to the operator's network or perform centralized AP management without changing the existing network. Network deployment is flexible and convenient.
- Support AP layer 2 and layer 3 networks to quickly discover ACs and automatically register and go online.
- Support status monitoring of network port status, AP status, number of access terminals, CPU and memory usage, etc.
- Support AC intelligent control to centrally manage APs, and displays information about current and historical successfully accessed APs
- Support AP grouping, classify and manage different types of APs, configure wireless parameters or radio frequency parameters in batches, and configure automatic delivery and synchronization
- Support wireless user management, wireless black and white list can filter wireless users, prohibit/allow specified wireless users to access
- Support single AP upgrade and AP batch upgrade. Single upgrade verification can be performed through SN, and batch upgrade can be performed by AP type or group.
- Batch upgrade supports immediate upgrade and online automatic upgrade function
- Support AP entire network management, configures time, password, restart/scheduled restart, factory reset, AC online monitoring, etc. for all wireless APs
- Ports can be freely bound or created as internal or external network interfaces. The external network supports static address/DHCP dynamic acquisition/PPPoE dial-up connection.
- Support DHCP server, centralizes dynamic management and configuration of user IP addresses, and supports DHCP static IP allocation
- Support static routing, which can accurately control network routing selection,improve network performance, and ensure network bandwidth.
- Support VLAN network interface for VLAN configuration of different network interfaces
- Support VPN client and server to build a private network
- Support NTP client and server functions, can perform clock synchronization or provide clock source

Maiwe

Specification

System

CPU	Intel Core i3-3110M, dual-core, four-thread, 2.4GHz
OS	Openwrt
Memory	4G DDR3
Storage	32G mSATA solid-state drive (supports expansion of 2 SATA solid-state drives)
Graphics Card	Integrated intel HD Graphics 610/620 core graphics card
Network Card	Intel i211 10/100/1000M×8, Intel i350×2
Expansion Slot	Support 1 MINI PCIE channel

Software

Network Management Function	Support centralized management of wireless AP devices, AP access history, and link modes
Access Control	Support SYN-flood defense, IP dynamic camouflage, MSS clamping, inbound/outbound data control
Management And Maintenance	Support dynamic DNS, SNMPv1/v2c, SNMPv1/v2c Trap Support IPv4/IPv6 Ping, IPv4/IPv6 Traceroute, Nslookup, and capture network packets

Interface

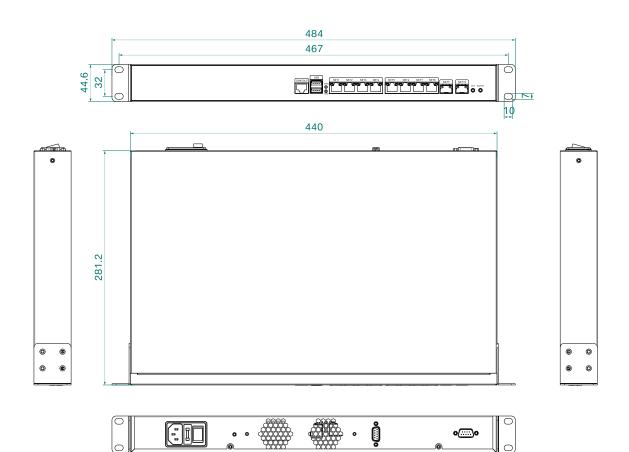|	
1G Fiber Port	2*1000Base-X Gigabit SFP slot
1G Copper Port	8*10/100/1000Base-T(X) auto-sensing RJ45 ports, full/half duplex, auto MDI/MDI-X
USB Port	2*Type-A USB 3.0 interface, can expand storage, or connect other external devices such as mouse and keyboard
CONSOLE	1*CONSOLE port, reserved
VGA Port	1*VGA interface (female), can be connected to an external monitor to display console commands
COM Port	1*DB9M interface, reserved
Button	1*restart button and 1*power switch button
Statue LED	Power indicator light, HDD indicator light, copper port speed and connection status indicator light

Power Supply

Specification

Input Voltage	AC110~240V
Connection	AC socket with switch and fuse
Physical Characteristics	
Dimensions	484×44.6×281.2 mm (Includes **mounting brackets**)
Installations	Standard 19-inch 1U rack mountable
Weight	About 3.4kg
Working Environment	
Operating Temp	-40℃~+65℃
Storage Temp	-40℃~+85℃
Relative Humidity	5%~95% (non-condensing)
Industry Standard	
Certification	CE, FCC, RoHS

Installation Dimensions

Unit:mm (first angle projection)

Ordering Information

Standard Model	1G Fiber Port	1G Copper Port	Input Voltage
MIAC6500	2	8	AC110~240V

Contact Us

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