CIAP726-4A25-GF

2-Port Dual Band Wi-Fi 6 Industrial Gigabit PoE AP with 1*1G SFP Fiber Port



- Support 1 x 1G WAN/LAN combo port (PoE-in), 1 x 1G LAN port (SFP), 2 x 2.4GHz antenna ports, and 2 x 5GHz antenna ports
- Support Wi-Fi 6 dual-band WLAN with OFDMA+MU-MIMO technology
- Operating modes: Router, AP, Repeater, Bridge, and Client
- Support fast roaming, fast discovery, automatic synchronization, network management and batch upgrade under AC control
- Support WDS wireless and WISP universal bridging to expand and extend wireless signals
- Support advanced settings including short protection interval, segmented threshold, RTS threshold, pure G mode, and pure 11N mode
- Support firewall and service functions such as port forwarding, IP/MAC/DNS filtering, DMZ, intranet penetration, DDNS, VPN, SNMP, LLDP, etc.
- High-strength aluminum alloy bottom shell, IP67 protection level
- Work in -40°C to +70°C harsh industrial environment

Product Introduction

CIAP726-4A25-GF is a 2-Port dual-band Wi-Fi 6 pole-mounted industrial Gigabit wireless AP. It achieves a dual-band concurrent throughput of up to 2976Mbps. This product provides 2 x 2.4GHz antenna ports, 2 x 5GHz antenna ports, 1 x Gigabit WAN/LAN combo port, and 1 x Gigabit LAN port. The WAN/LAN combo port is an Ethernet port supporting PoE in, while the LAN port is a Gigabit SFP port. Featuring a pole-mountable IP67 waterproof enclosure, it meets diverse on-site networking requirements.

The product supports web-based configuration for multiple network management functions, including routing/AP/relay/bridge/client modes, universal/WDS bridging, AC control, dynamic/static/PPPoE dial-up networking, DHCP server, IP/MAC binding, 2.4G/5G settings, black/white lists, static routing, network diagnostics, firewall, internal network penetration, DDNS, VPN, SNMP, LLDP, NTP, and more. The system provides multi-level user management, supports local/remote log management, and enables scheduled reboots, configuration backup/restore, firmware upgrades, and factory reset. The hardware employs high-standard industrial protection design with premium industrial-grade components and a high-strength aluminum alloy chassis for rugged durability. Featuring low power consumption and wide temperature operation (-40°C to +70°C), it passes stringent safety and EMC testing to meet demanding industrial environments. The product is widely applicable in industrial automation, integrated energy systems, smart cities, intelligent transportation, smart mining, and smart factories.

Product Features

- Support OFDMA+MU-MIMO technology, providing multi-channel concurrency in frequency domain and physical space, improving multi-user high-density access
- Support Wi-Fi 6 dual-band WLAN wireless LAN, 2.4G theoretical maximum rate 574Mbps, 5G Support 160MHz bandwidth, theoretical maximum rate 2402Mbps
- Support routing mode and can connect to the external network through dynamic/static/PPPoE dial-up methods to realize wired and wireless terminal networking
- Support AP mode, which can convert the wired network into a wireless network, allowing wireless terminals

to access the wired network, and the AC is controllable

- Support relay mode, which can amplify the upper-level wireless network and convert it into wired and wireless networks to achieve wired and wireless terminal access
- Support bridge mode, which can convert wireless networks into wired and wireless networks to achieve wired and wireless terminal access
- Support client mode, which can convert the wireless network into a wired network and enable wired terminals to access the wireless network
- Support DHCP server to centrally dynamically manage and configure user IP addresses
- Support DHCP access device management, binding client IP and MAC address to avoid IP address changes or conflicts
- Support multiple country code switching, suitable for channels in different regions
- Support 2.4G+5G frequency band, transmit power adjustment, user number limit, SSID hiding, user isolation, WDS bridging, etc.
- Support short protection time interval, segmentation threshold, RTS threshold, pure G mode, pure 11N mode, etc.
- Support WPA PSK, WAP2 PSK, WAP3 SAE, WPA2+WPA3 encryption methods
- Support wireless user management, black/white list can filter wireless users, prohibit/allow designated wireless users to access
- Support static routing, which can accurately control network routing selection, improve network performance, and ensure network bandwidth.
- Support IPv4/IPv6 Ping, IPv4/IPv6 Traceroute, Nslookup, and packet capture for network diagnosis or fault analysis
- Support SYN-flood defense, port forwarding, IP/MAC/DNS filtering, iptables custom rules, DMZ, UPnP and other firewall functions
- Support NTP client and server functions, can perform clock synchronization or provide clock source
- Support hierarchical management of user rights and SSH, HTTP/HTTPS access control
- Log information records multiple levels of kernel, application and network information, and Support local downloading, scheduled saving, and remote monitoring.
- Support Peanut Shell intranet penetration, and can use Peanut Shell dynamic domain name to remotely

log in and manage equipment

- Support dynamic DNS function, and can remotely log in and manage the device through the specified domain name
- Support VPN client and server to build a dedicated network. The client Support tunnel protocols such as PPTP, L2TP, IPSec, OpenVPN, and GRE. The server Support protocols such as PPTP, L2TP, and IPSec.
- Support SNMPv1/v2c and SNMP Trap. Information query, information modification and troubleshooting can be carried out through MIB to achieve centralized management.
- Support LLDP, obtains LLDP neighbor device information, and monitors link status to facilitate topology management and fault location.
- Support automatic networking for Wi-Fi Mesh and wired Mesh systems
- Support enhanced roaming in client mode, enabling seamless and rapid handover to ensure real-time data transmission and enhance wireless network reliability.

Technical Specifications

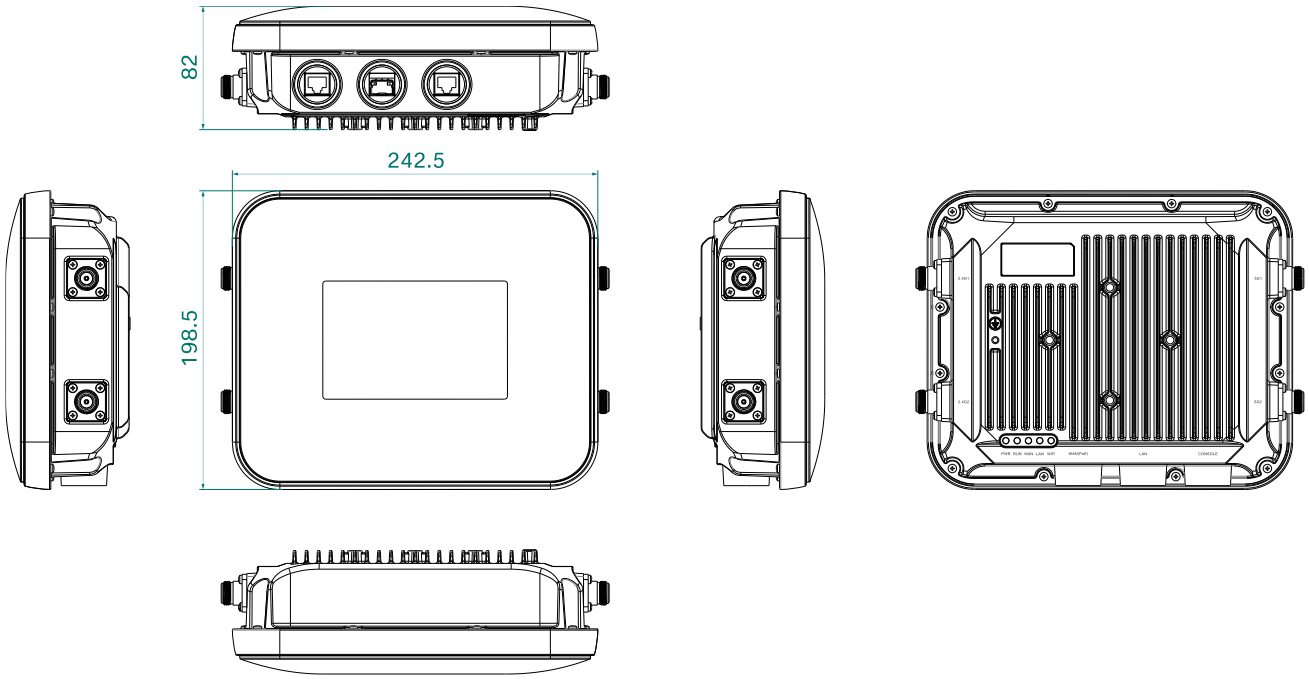
Software	
Network Management	Support traffic statistics, operating status, network status, local address and other status information or wireless information Support routing mode, AP mode, relay mode, bridge mode, client mode Support static address, DHCP, PPPoE external network connection Support DHCP server, IP/MAC binding, wireless user black and white list Support short protection time interval, segmentation threshold, RTS threshold, pure G mode, pure 11N mode Support static routing Support peanut shell intranet penetration, dynamic DNS, SNMP, LLDP Support PPTP/L2TP/GRE/TUN/TAP protocol VPN client Support PPTP/L2TP/IPSec protocol VPN server
Firewall	Support SYN-flood defense, IP dynamic camouflage, MSS clamping, inbound/outbound data control Support WAN/LAN port TCP/UDP port mapping

	Support IP/MAC/domain name filtering, iptables, DMZ, UPnP
System Management	Support IPv4/IPv6 Ping, IPv4/IPv6 Traceroute, Nslookup, and capture network packets Support time zone, NTP client/server, management port, Crontab, remote/local log Support user rights management, SSH/HTTPS access control Support online restart, scheduled restart, configuration backup/restore, firmware flash, and factory settings restore
Wi-Fi	
Wireless Standards	IEEE 802.11b/g/n/ax (2.412GHz~2.484GHz) IEEE 802.11a/n/ac/ax (5.15GHz~5.85GHz)
Working Frequency	2.412GHz~2.484GHz (2.4GHz ISM Band) 5.15GHz~5.85GHz (5.0GHz ISM Band)
Frequency Range	DBPSK, DQPSK, CCK, OFDM, 16-QAM, 64-QAM, 256-QAM, 1024-QAM
Bandwidth	20MHz/40MHz/80MHz/160MHz
TX Power	2.4GHz: +19dBm HE40 at -43dB DEVM +26dBm MCS7 HT20/40 at -30dB DEVM +28dBm MCS0 HT20 5GHz: +18dBm MCS11 HE80 at -43dB DEVM +23dBm MCS9 VHT80 at -35dB DEVM +24dBm MCS7 HT20/40 at -30dB DEVM +26dBm MCS0 HT20
RX Sensitivity	2.4GHz: -68.5dBm (HT40/MCS9/2SS) -63.0dBm (HE40/MCS11/2SS) 5GHz: -64.5dBm (VHT80/MCS9/2SS) -59.0dBm (VHT80/MCS11/2SS) -58.0dBm (HE80/MCS11/2SS)
Theoretical Transfer Rate	2.4GHz Band 2T2R Maximum Transmission Rate: 574Mbps 5GHz Band 2T2R Maximum Transmission Rate at 160MHz Bandwidth: 2402Mbps Total Wireless Rate: 2976Mbps
Interface	

1G WAN (PoE)	1 x 10/100/1000Base-T(X) auto-sensing WAN/LAN combo RJ45 port, support full/half duplex, auto MDI/MDI-X; support standard PoE power supply, compliant with IEEE802. 3af/at standard
1G LAN	1 x 1000Base-X LAN SFP port
Antenna Interface	2 x 2.4GHz antenna interfaces and 2 x 5GHz antenna interfaces, both using N-K type (Female)
Indicator	Power indicator, operation indicator, WAN indicator light, LAN indicator, WiFi indicator
Power Supply	
Power Input	Standard PoE DC48V power receiving interface (DC44~57V input)
Consumption	<18.5W
Connection	RJ45 (WAN port)
Physical Characteristics	
Dimension	242.5×198.5×82(mm) (excluding antenna and hoop)
Installation	Pole mounted
IP Code	IP67
Weight	About 1.8kg (excluding antenna and hoop)
Working Environment	
Operating Temp	-40°C to +70°C
Storage Temp	-40°C to +85°C
Relative Humidity	5%~95% (no condensation)
Industry Standard	
EMC	IEC 61000-4-2 (ESD): Level 4 (contact discharge ±8kV, air discharge ±15kV) IEC 61000-4-5 (Surge): Level 3 (power supply: common mode ±2kV, differential mode ±1kV; Network port: common mode ±4kV, differential mode ±2kV) IEC 61000-4-4 (EFT): Level 4 (power supply: ±4kV; network port: ±2kV)

Dimensions

Unit: mm (first angle projection)



Ordering Information

Standard Model	1G WAN Port	1G LAN Port	2.4GHz Antenna	5GHz Antenna	Input Voltage
CIAP726-4A25-GF	1	1	2	2	PoE DC48V

Contact Us

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