

# FD510D-FP10

AP



AC1200



POF



Preset



CMS Management



Antennas 4\*3dBi



Intelligent  
Roaming

## Brief Views

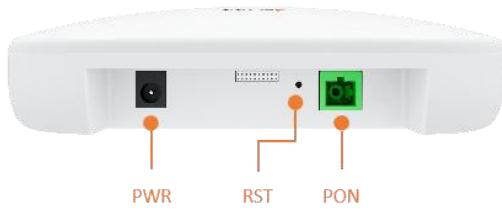
FD510D-FP10 is a compact and lightweight AC1200 indoor ceiling mounted xPON ONU launched by C-Data. It provides one SC type optical composite cable PON port and offers DC and standard POF power supply methods, making networking flexible. Can be widely used in indoor scenarios such as restaurants, hotel lobbies, warehouses, and small businesses, providing high-quality wireless coverage



## Functional Feature

- In compliant with IEEE802.3ah and ITU - T G.984 standard
- Support ONU auto-discovery/Link detection/remote upgrade of software
- Support SN and LOID+Password multiple registration methods
- Support port VLAN configuration
- Support port-based rate limitation and bandwidth control
- Support port flow-control
- Support MAC address learning
- Support MAC address learning account limit
- Support VLAN transparent/tag/translate/trunk
- Support broadcasting storm resistance function
- Support igmp transparent/snooping/proxy mode
- Support Dynamic Bandwidth Allocation (DBA)
- Support AES encryption and decryption
- Support power-off alarm function ,easy for link problem detection
- Support Firewall
- Support MAC address/URL filter
- Support Remote WEB/Telnet access control

## Product Interface and LED



## LED Definitions

Indicator	Description
PON/LOS	ONT Register Green constantly on: Success to register to OLT; Green flashing: In process of registering to OLT; Red constantly on: LOS;

## Product Specification

Mechanics	
Dimensions	155mm(L)*155mm(W)*40mm(H)
Weight	About 228g

Hardware																			
Interface	1 * Pin type Debugging port base (default configuration) or 1*GE RJ-45 connector(optional) 1 * SC type optoelectronic composite cable interface 1*DC power port, 1*Reset, 4*Internal Wi-Fi Antennas																		
Indicators	PON/LOS																		
PON Port	<table border="1"><tr><td>PON Mode</td><td>EPON: 1000BASE-PX20+ symmetric GPON: ITU-T G.984.2 standard,Class B+</td></tr><tr><td>PON Rate</td><td>EPON: 1.25Gbps downstream/upstream GPON: 2.488Gbps/1.244Gbps downstream/upstream</td></tr><tr><td>Wavelength</td><td>Transmit: 1310nm</td></tr><tr><td>Receiving sensitivity</td><td>EPON: -27dBm</td></tr><tr><td>Saturated power</td><td>EPON: -3dBm</td></tr><tr><td>Transmitting power</td><td>EPON:0~4dBm</td></tr><tr><td></td><td>GPON: -28dBm</td></tr><tr><td></td><td>GPON: -8dBm</td></tr><tr><td></td><td>GPON: 0.5~5dBm</td></tr></table>	PON Mode	EPON: 1000BASE-PX20+ symmetric GPON: ITU-T G.984.2 standard,Class B+	PON Rate	EPON: 1.25Gbps downstream/upstream GPON: 2.488Gbps/1.244Gbps downstream/upstream	Wavelength	Transmit: 1310nm	Receiving sensitivity	EPON: -27dBm	Saturated power	EPON: -3dBm	Transmitting power	EPON:0~4dBm		GPON: -28dBm		GPON: -8dBm		GPON: 0.5~5dBm
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Wi-Fi
IEEE 802.11b/g/n(2.4GHz)
IEEE 802.11a/n/ac(5GHz)
Total wireless rate is 1200Mbps
➡ <b>2.4GHz: 40Mhz bandwidth maximum rate 300Mbps</b>
➡ <b>5GHz: 80Mhz bandwidth maximum rate 867Mbps</b>
2.4GHz EIRP: 23dBm / 5GHz EIRP: 22dBm

Power supply	
POF IN (optical-electric composite cable power supply, Standard PoE protocol),	
Input voltage	44-56V
External power supply adapter	12VDC/1A
Power consumption	≤6W



## Environment

Working temperature	0 to 40° C
Operating humidity	10% ~ 90% (Non-condensing)

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