

ZXA10 F822(PoE) Datasheet



ZXA10 F822(PoE) is a GPON Optical Network Unit designed for the operators' AP deployment application scenarios. Supporting PoE/PoE+/EPON/GPON and able to be smoothly upgraded to 10G EPON/XG-PON1, the ZXA10 F822(PoE) provides AP power supply and access services in hot spots including business buildings, airports, campuses, factories and hotels. ZXA10 F822(PoE) supports dynamic power management and multiple flexible configurations to deliver high-speed data services, video services, and PoE/PoE+ services to the subscribers.

ZXA10 F822(PoE) provides 1/2 GPON interface to connect OLT with an ODN. It offers a new choice for operators to deliver FTTB/FTTO access.

Interface Function

- Optical port (line terminal):
 - 1/2 * GPON interface (SC/PC)
 - 1-port SFP optical interface
- User network interface:
 - 8 * 10/100/1000Base-T interfaces / 8-port PoE+(RJ45)
 - 16* 10/100/1000Base-T interfaces /16-port PoE (RJ45)
 - 2-port SFP optical port (optional)

Transmission Rate

- Line terminal: 2.488Gbps downstream and 1.244Gbps upstream
- User side interface: 10/100/1000Mbps auto-negotiation

Transmission Distance

- Link distance: 0 ~ 20km max.

Transmission Wavelength

- Receiving: 1,490 nm
- Transmitting: 1,310 nm

Receiving Sensitivity

- Better than -28dBm

Transmitting Optical Power

- 1~5dBm

Overload Optical Power

- -5dBm

Physical Performance

- Power consumption: 18.6W(16-port)/18W(8-port)
- Dimensions: 43.6 mm(H) * 482.6mm (W) *240 mm (D)
- Working temperature: -25°C ~ 55°C
- Working humidity: 5% ~ 95%
- Weight: <4.5kg
- Power supply: -48V DC or/and 110V/220 V AC
- Mounting mode: Rack/Cabinet/Wall mounted

Service Function

- Service: Internet, IPTV
- Auto registration at power-on
- 802.1Q, 802.1P, 802.1ad and QoS policy
- MAC addresses: 16K
- STP, RSTP
- IGMP snooping/proxy and controllable multicast
- Support SP, WRR and SP+WRR
- Loop back test for user ports
- AES-128 Decryption
- DBA and FEC
- Priority queues and scheduling
- 4K VLAN, 1K MVLAN
- Up to 32 T-CONTs and 256 GEM Ports
- PoE/PoE+