

ZXA10 F822 Datasheet



ZXA10 F822 is a GPON Optical Network Unit used in an FTTB/FTTO environment. ZXA10 F822 supports VoIP and data services access. It builds a multi-tenant network center with computer technology and broadband optical network access technology, which connects various business appliances and equipment into the network to share Internet/voice connections so as to provide users with rich, diversified, personalized, convenient, comfortable, safe and effective services.

ZXA10 F822 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)
- User network interface:
 - 24/16 * 10/100Base-T interfaces
 - 24/16 * VoIP interfaces

Transmission Rate

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

Transmission Distance

- Link distance: 0 ~ 20km max.

Transmission Wavelength

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

Receiving Sensitivity

- Better than -29dBm

Transmitting Optical Power

- 1~5dBm

Overload Optical Power

- -5dBm

Physical Performance

- Power consumption: 35.2W(24FE+24POTS)/28.5W(16FE+16POTS)
- Dimensions: 43.6 mm(H) * 482.6mm (W) *240 mm (D)
- Working temperature: -30°C ~ 60°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: VoIP, Internet, IPTV
- SIP/H.248/MGCP
- G.711A/μ, G.723.1, G.729a/b
- 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, 4MVLAN
- Up to 32 T-CONTs and 256 GEM Ports