

XDK-E8080U (4FE+2POTS+WIFI)

XDK-E8080U (4FE+2POTS+WIFI) is an EPON user terminal, which meets the SOHO broadband access, FTTH broadband speed, FTTH/FTTD of cable-television operator. The equipment based on mature, stable, cost-effective Gigabit EPON technology combines Gigabit Ethernet switching technology, WIFI and high-quality VoIP technology. It has high reliability, ease of administration and good QoS. The technology performance meets the IEEE802.3ah, China Telecom EPON equipment technical requirements (V2.1) specification requirements.

1、Special Features**1.1、Data service function**

- Full speed without blocking exchange
- 8K MAC address table
- Support Full Range VLAN ID
- Support QinQ VLAN、1:1VLAN、VLAN Trunk etc.
- support port monitor, port mirror, port speed limit, port SLA etc.
- QoS based on interface, IEEE 802.1p, IPV4(ToS), Diff-Serv, IPV6, 802.1Q VLANID, destination MAC or source MAC.
- The Ethernet interfaces according to the specifications of the IEEE802.3.
- 128-bit AES encryption algorithm.
- According to 802.1x remote management and user authentication

1.2、Telephone service function

- Support SIP protocol, H.248 protocol, H.323 optional.
- Support ITU-T G.711、 G.723.1、 G.729 compression algorithm
- Echo cancellation meets ITU-T G.168-2002. echo cancellation for the longest is 128ms.
- Support OSPF,T38.
- Support RFC2833 and RFC2833 redundant,distinctive ringing ,MD5 certificate,call forwarding,call waiting,telephone hotline,alarm clock,abbreviated dialing and etc.
- Support two POTS interface three-way calling,three-way calling support local mixing.
- Support POTS GR909 line test function.
- Support dynamic PPPoE,dhcp and static IP.
- Support CTC2.1 standard
- 7×24h call lose≤0.01%

2、Product specifications

| Item | Parameter | specification |
|---------------------------------|----------------------------------|---|
| Optical interface specification | Transmission rate | <ul style="list-style-type: none"> ● Downstream: 1.25 Gbps ● Upstream: 1.25 Gbps |
| | Optical specifications | <ul style="list-style-type: none"> ● Downstream <ul style="list-style-type: none"> – Wavelength: 1490nm+/-20nm – Minimum receiver sensitivity: -27dBm – Receive saturation power: -3dBm ● Upstream <ul style="list-style-type: none"> – Wavelength: 1310nm+/-50nm – Minimum output optical power: 0dBm |
| | Number of users can be connected | Up to 32 users within 20km. |
| | E8080U connector | SC/PC |
| | Optical physical conditions | <ul style="list-style-type: none"> ● IEEE802.3-2005 ● 1000 BASE-PX20+ |
| | Optical fiber | G.652 single-mode fiber |
| Ethernet interface | standard | <ul style="list-style-type: none"> ● IEEE802.3 ● IEEE802.3au |

| Item | Parameter | specification |
|----------------------------|---------------------------------|---|
| specification | | ● IEEE802.3x |
| | Port number | 4 FE |
| | Connector type | RJ-45 |
| | LAN | <ul style="list-style-type: none"> ● IEEE 802.3 ● 10/100BASE-T, ● Automated negotiation ● Full duplex/Half duplex ● Support RJ-45 MDI/MDIX |
| | VLAN | IEEE802.1q |
| | Support the connection distance | Up to 100 meters |
| WLAN specification | WLAN | Compliant with IEEE802.11b/g/n |
| EMC and safety | EMC | EN55022 B(CISPR 22B) |
| | ESD defend and preserve | IEC 61000-4-2 GR-1089-CORE |
| | Laser eye safety | <ul style="list-style-type: none"> ● FDA 21CFR 1040.10 和 1040.11 ● EN(IEC) 60825-1 ● EN(IEC) 60825-2 |
| | Environment-protection standard | RoHS |
| Environmental requirements | Running temperature | -10°C~55°C |
| | Storage temperature | -30°C~60°C |
| | Operating humidity | 10%~90% ,on-condensing |
| | Storage humidity | 5%~95% ,Non-condensing |
| Physical specifications | Size | L x W x H: 245 mm x 150 mm x 37mm |
| | Weight | <500g |

Kelly Cao(Ms.)

Company:Shenzhen XDK Communication Equipment Co.,Ltd

Address:XDK Building, A3, Shuidoukeng, Dafapu, Bantian, Longgang District, Shenzhen 518129

Web: www.xdkgroup.com

Skype: **kelly szxdk**

Email address: **kelly@szxdk.com**

Tel: +0086 755 2889 0799

Mobile:+0086132 6674 3205