

Support VOIP

Support G.711 a/u law, G.729a CODEC algorithm

Support G.168echo cancellation

Support DTMF

System Ring Cadence:4 Cadences

Support Calling Number Management

Support call forward, call waiting

 ONU-2FE-1V EPON HGU Manual

 ONU-2FE-1V EPON HGU

 (2FE+1POTS)

 Product Overview

 The ONU is designed for FTTH application. It can provide one 10/100M and one POTS to the user,

 convenience for Internet and Voice service.

 Function Features

 POTS Service Function

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  Support VAD、CNG

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 WRR queue scheduling

step 8K

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 Support T.30FAX FAX transparent transmission

 Support T.38 FAX relay

 Support SIP SDP RTP/RTCP

 Support 802.1p, Up to 8 CoS queues, SP WRR SP

 Support Auto-negotiation

 Support 802.1Q Tag VLAN

 Support broadcast-storm control

 Support the speed limited from8k to 100M

 Support flows control

 Support IGMP snooping

 Support WEB security management based HTTP

 Support WEB access from local and OLT side

 Support Ethernet interface configuration and query

 Support configuring the FE interface to negotiate/rate/duplex

 Support the flow control, bandwidth, priority, VLAN ID of interface

 Support ONU Remote management

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 DATA Service Function

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 O&M Function

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  Support disable FE interface of ONU；

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 Specification

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| **Item** | **Specifications** |
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| **Optical Interface** |  |
| Number of ONU | 32 ONU@ 20Km |  |
| Transmission Rate |  Uplink：1.25 Gbps |
|  Downlink：1.25 Gbps |
| Connector | SC/PC |
| Optical Specification |  Up |
| – | Wavelength | ： | 1490nm±10nm |
| – | Receive Sensitivity | ： | -24dBm |
| – | Receive Saturation Power | ： | -3dBm |
|  Down |
| – | Wavelength | ： | 1310nm±50nm |
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| **Item** | **Specifications** |
|  | – | Output Power (Min) | ： | -1dBm |  |
| – | Max Optical Spectral Width |  （ | -20 dB | ）： | 3nm |
| Fiber | G.652 Single Mode Fiber |
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| **Ethernet Interface** |  |
| Standards |  IEEE802.3 |
|  IEEE802.3au |
|  IEEE802.3x |
| LAN |  2\*10/100BASE-T |
|  MDI/MDIX |
|  Auto-negotiation |
| Ports | 2 FE |
| Connector Type | RJ-45 |
| Impedance | 100Ohm |
| Auto-negotiation |  IEEE 802.3 |
|  10/100BASE-T |
|  Full Duplex / Half-duplex |
|  MDI/MDIX |
| VLAN | IEEE802.1q |
| Transmission Distance | 100m Max |
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| **POTS Interface** |  |
| Ports | 1 |
| Connector Type | RJ-11 |
| Transmission Distance | Max 1km |
| Number of Phone | 3 REN |
| Ringing Voltage | Vrms>50V |
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| **Environment Requirement** |  |
| Operating Temperature | 0ºC~40ºC |
| Storage Temperature | -20ºC~70ºC |
| Operating Humidity | 10%~90%，non-condensed |
| Storage Humidity | 5%~95%，non-condensed |
| Power Supply | DC 12V 1A |
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| **Regulatory Compliance** |  |
| **Regulatory Compliance** | 3C |
| **Regulatory Compliance** | RoHS |
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| **Physical Specification** |  |
| Dimension | LxWxH | ： | 166.6mm\*122.4mm\*31.8mm (L\*W\*H) |
| Weight | ＜300g |
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