

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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