

Plug and play, integrated auto-detecting, auto-configuration, and auto firmware upgrade,

Integrated OMCI/TR069 remote configuration and maintenance function.

Support rich QinQ VLAN function and IGMP Snooping multicast feature.

Functions like transceiver diagnostic monitoring, transmitter disable, etc.

Built-in bridging or router mode.

Fully compatibility with OLT based on Broadcom/Broadlight.

ONT-1GEX GPON ONT Manual

ONT-1GEX 1GE GPON ONT

Introduction

ONT-1GEX is a low density GPON ONT designed for fulfilling FTTH request of telecom

operators, internet access of SOHO people and renovation request of GPON+EOC infrastructure

of cable TV operators. This product is based on the stable and mature Gigabit GPON technology,

which has high performance/price ratio. Its GPON MAC chip is the newest generation SOC -

BCM6838 from world famous xPON IC vendor - Broadcom. It is highly reliable and easy to

maintain, with guaranteed QoS. And it is fully compliant to technical regulations such as

ITU~T984.X and technical requirement of GPON Equipment (V1.2 and above version) from China

Telecom.

ONT-1GEX

Special features

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etc.

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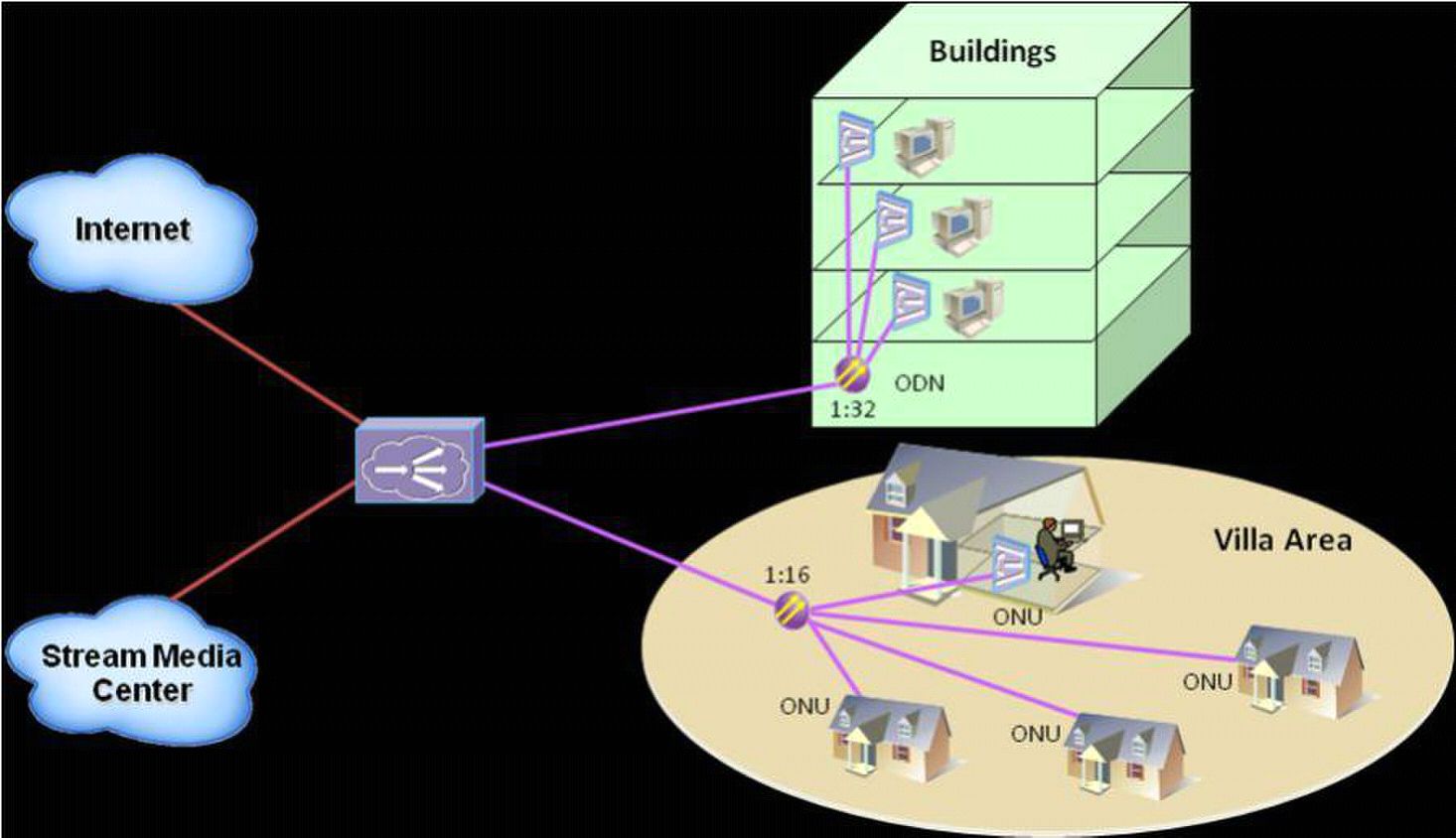
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Technical parameter

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| Technical items | Descriptions |
| Upstream PON | 1 GPON interface, SC single-mode/single-fibre, Upstream 1.244Gbps, |
| Interface | Downstream 2.488Gbps. |
| GPON MAC | BCM6838 SOC from Broadcom. |
| Wavelength | Tx 1310nm, Rx 1490nm. |
| Optical interface | SC/PC connector. |
| Downstream LAN | 1x 10/100/1000Mbps auto adaptive Ethernet interface, Full Duplex/Half |
| interface | Duplex, RJ45 connector. |

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| Indicators | | 5 indicators, for status of power, Los status of PON port, Register status of | | | | | | |  |
| PON port, Link status of Giga-Ethernet port, Active status of Giga-Ethernet | | | | | | |
| port. | | | | | | |
| DC power supply | | +12V@0.5A, external AC/DC power adaptor | | | | | | |
| Power | | ≤5W | | | | | | |
| consumption | |
| Operating | | Operating temp: ~5 ~ +55 | | | ℃ | | , operating humidity:10~90% (non-condensed) | |
| condition | |
| Storing condition | | Storing temp: ~30 ~ +60 | | ℃ | | , storing humidity:10~90% (non-condensed) | | |
| Device Dimension | | 115mm\*75mm\*28mm (length\*width\*height) | | | | | | |
| CANTON | | Internal Canton: 20.5mm\*16mm\*5.5mm | | | | | | |
| Package: 590mm\*410mm\*325mm | | | | | | |
| Dimension | |
| 40PCS/CTN | | | | | | |
| Net weight | | 0.24Kg | | | | | | |
| **Application ch** | **rt** | | | | | | | | |
| **Ordering infor** | **ation** | | | | | | | | |
| Product model | GE | | Work temperature | | | | | Product Form | |
| ONT-1GEX | 1 | | ~5 ~ +55℃ | | | | | Plastic casing | |

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