

## GPON ONT

### ONT200-14AXU

#### PRODUCT HIGHLIGHTS

- GPON WAN port with 1.244Gbps uplink / 2.488Gbps downlink link speed;
- 4x 10/100/1000BASE-T Ethernet RJ45 Ports;
- Support 802.11n/ax 2T2R speed up to 574Mbps;
- Support 802.11ac/ax 2T2R speed up to 2400Mbps;
- Support Voip;



D-Link ONT200-14AXU GPON ONT is a new terminal level GPON ONT, which is a variety of FTTB \ FTTH \ FTTO access ONT manufactured and supplied by D-Link for carrier-grade FTTH network applications. It can support pure data, Wi-Fi and many other services accessing type. ONT200-14AXU ONT supports standard OMCI, which provides up to 1.25Gbps uplink and 2.5Gbps downlink high-speed transfer rate. ONT200-14AXU supports 802.11ax dual band Wi-Fi, 2.4GHz speed up to 574Mbps and 5GHz speed up to 2400Mbps.

| Specifications                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| <b>CPU</b>                             | 1.0GHz ARM CA53 dual-core CPU, 256K L2 cache                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Chip model</b>                      | EN7529CT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Memory</b>                          | NAND FLASH 1Gbit(128MB)/DDR3 4Gbit (512MB)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Wi-Fi Chip</b>                      | 2.4G&5G: MTK7916AN+MTK7976DN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Bob Driver</b>                      | EN7571N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>GPON Protocol Specification</b>     | <p>Comply ITU-T G.984 GPON standard:</p> <p>G.984.1 general characteristics</p> <p>G.984.2 physical Media Dependent (PMD) layer specifications</p> <p>G.984.3 transmission convergence layer specifications</p> <p>G.984.4 ONT management and control interface specification</p> <p>Support DS/US transmission rate to 2.488 Gbps/1.244 Gbps</p> <p>Wavelength: 1490 nm downstream &amp; 1310 nm upstream</p> <p>Comply with class B+ type PMD</p> <p>Physical distance reach to 20 km</p> <p>Support Dynamic Bandwidth Allocation (DBA)</p> <p>GPON Encapsulation Method (GEM) supports Ethernet packet</p> <p>Supports GEM header removal/insertion and data extraction/segmentation (GEM SAR)</p> <p>Configurable AES DS and FEC DS/US</p> <p>Support up to 8 T-CONs each with priority queues (US)</p> |
| <b>Network Protocol Specifications</b> | <p>802.3 10/100/1000 Base T Ethernet</p> <p>ANSI/IEEE 802.3 NWay auto-negotiation</p> <p>802.1Q VLAN tagging/un-tagging</p> <p>Support flexible traffic classification</p> <p>Support VLAN staking</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Interface</b>                       | <p>WAN: One Giga optical interface (APC or UPC)</p> <p>LAN: 4*10/100/1000 auto MDI/MDI-X RJ-45 ports</p> <p>Voip: 1*RJ-11 port</p> <p>USB: 1* USB2.0</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>LED Indicators</b>                  | Power, PON, LOS, INT, 2.4G WLAN, 5G WLAN, LAN1-4, TEL, WPS, USB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Wi-Fi Rate</b>                      | <p>2.4G: 802.11n/ax with 574Mbps</p> <p>5G: 802.11ac/ax with 2400Mbps</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Frequency Band</b>                  | 2.4 GHz frequency band 40MHz and 5.8 GHz frequency band 160MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Buttons</b>                         | WPS/WLAN/Reset                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Antennas</b>                        | <p>1*2.4G 5dBi External antennas</p> <p>2*5G 5dBi External antennas</p> <p>1*2.4G&amp;5G 3dBi External antennas</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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| <b>Power Supply</b>     | <b>DC12V 1.5A</b>                                                                                                                                                                    |
| <b>Product Size</b>     | 204.7X121.4X37.7 mm (length X width X height)                                                                                                                                        |
| <b>Work Environment</b> | Working temperature: 0°C—40°C<br>Working humidity: 5—95%                                                                                                                             |
| <b>Security</b>         | WPA/WPA2/WPA3, 64/128bit WEP data encryption, Firewall, Dos Protection                                                                                                               |
| <b>WAN Networking</b>   | Static IP WAN connection<br>DHCP client WAN connection<br>PPPoE WAN connection                                                                                                       |
| <b>VOIP</b>             | G.711A/μ, G.729, and G.722 encoding/decoding<br>T.30/T.38/G.711 fax mode<br>DTMF /Emergency calls (with the SIP protocol)                                                            |
| <b>Management</b>       | Standard OMCI (G.984.4)<br>Web GUI (HTTP/HTTPS)<br>Firmware upgrade via FTP/TFTP/HTTP<br>Telnet, Web, SSH<br>CLI command via telnet/console<br>Configuration backup/restore<br>TR069 |
| <b>Certification</b>    | CE/Wi-Fi certification                                                                                                                                                               |