

# Huawei OptiXstar F100D-4G Datasheet

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## Overview

The Huawei OptiXstar F100D-4G is a bridging ONU. It uses the GPON technology to implement ultra-broadband access for users.

The high-performance forwarding capability effectively ensures data and HD video service experience, providing customers with an ideal all-optical access solution and future-oriented service support capability.



## Hardware Specifications

| Item                               | Specifications                           |
|------------------------------------|------------------------------------------|
| Network-side port                  | GPON                                     |
| User-side port                     | 4xGE                                     |
| System power supply                | 12 V DC, 1 A                             |
| Rated input range of power adapter | 170–240 V AC, 50/60 Hz                   |
| Installation mode                  | Placed on a desktop or mounted on a wall |
| Maximum power consumption          | 4.7 W                                    |
| Indicator                          | POWER/PON/LOS/LAN                        |
| Operating temperature              | 0°C to 40°C                              |

| Item                   | Specifications            |
|------------------------|---------------------------|
| Operating humidity     | 5%–95% RH, non-condensing |
| Fiber port type        | SC/UPC                    |
| Dimensions (H x W x D) | 30 mm x 168 mm x 115 mm   |
| Weight                 | About 220 g               |

## Port Parameters

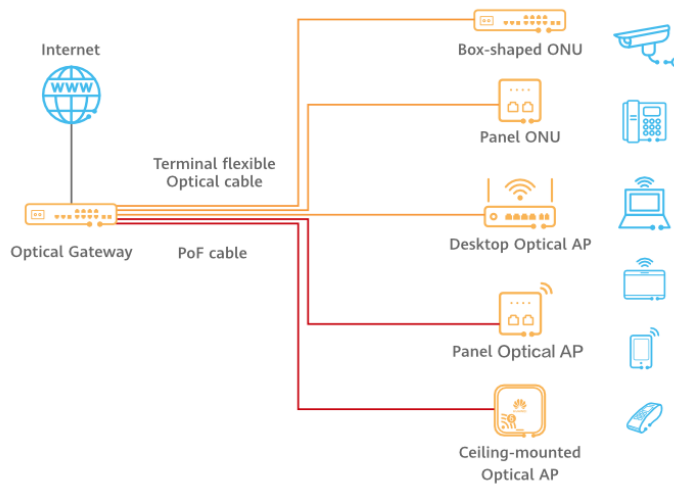
| GPON Port                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Ethernet Port                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Class B+</li> <li>Receiver sensitivity: –27 dBm to –29 dBm</li> <li>Overload optical power: –8 dBm</li> <li>Wavelength: 1310 nm in the upstream direction and 1490 nm in the downstream direction</li> <li>Wavelength blocking filter (WBF)</li> <li>Flexible mapping between GEM ports and T-CONTs</li> <li>Authentication mode: SN, Password, LOID</li> <li>Bidirectional forward error correction (FEC)</li> <li>SR and NSR DBA</li> </ul> | <ul style="list-style-type: none"> <li>VLAN tagging/tag removal based on Ethernet port</li> <li>1:1 VLAN translation, n:1 VLAN translation, VLAN transparent transmission</li> <li>QinQ VLAN</li> <li>Limit on the number of learned MAC addresses</li> <li>MAC address learning</li> <li>Local switching and isolation of Ethernet ports</li> <li>Layer 2 IPv6 transparent transmission</li> <li>Half-duplex/full-duplex mode negotiation and configuration</li> </ul> |

## Product Functions

| Smart connectivity                                                                                                           | O&M                                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Upstream mode: fiber upstream transmission</li> <li>Working mode: bridging</li> </ul> | <ul style="list-style-type: none"> <li>Web UI</li> <li>One-click diagnosis of Internet connection status and hardware status</li> </ul> |

# Typical Application

## MiniFTTO networking scenario



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