

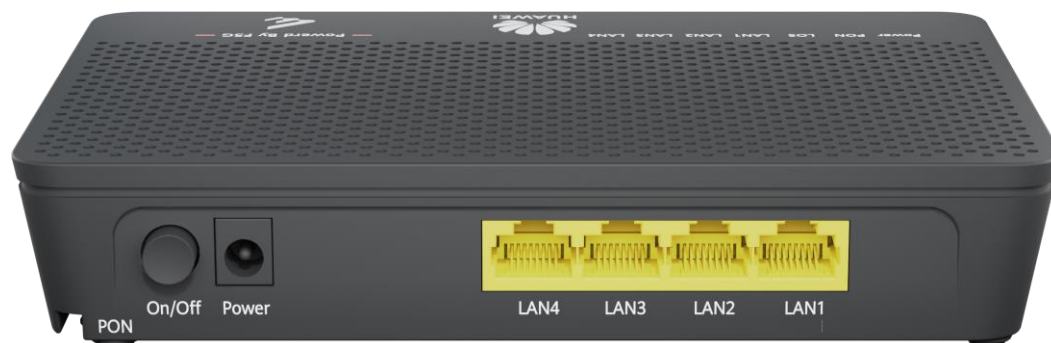
# F100D-4G Datasheet

Date: 2023-08-04

## 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
Operating humidity	5%–95% RH, non-condensing

Item	Specifications
Fiber port type	SC/UPC
Dimensions (W x D x H)	168 mm x 115 mm x 30 mm
Weight	About 220 g

## Port Parameters

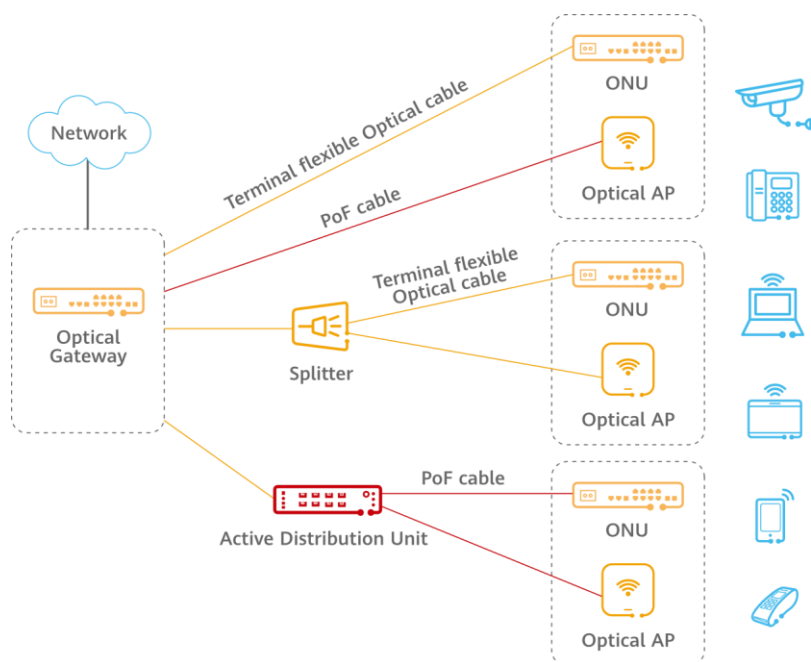
GPON Port	Ethernet Port
<ul style="list-style-type: none"> <li>• Class B+</li> <li>• Receiver sensitivity: -27 dBm</li> <li>• Overload optical power: -8 dBm</li> <li>• Wavelength: 1310 nm in the upstream direction and 1490 nm in the downstream direction</li> <li>• Wavelength blocking filter (WBF)</li> <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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