DPN-F2004JN
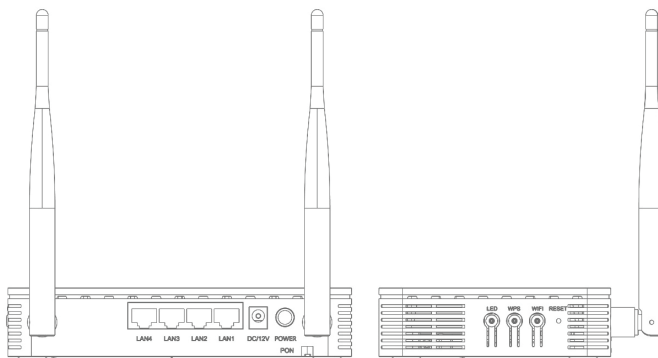
The DPN-F2004JN is a GPON-technology-based gateway ONU designed for home and SOHO (small office and home office) users. It can provide broadband Internet access for emerging network services.

The DPN-F2004JN is designed with one optical interface, four Ethernet ports, and 2.4GHz Wi-Fi. The optical interface is compliant with ITU-T G984.X and ITU-T G.988 standards, and meets FTTH requirements. The four 10/100/1000M self-adaption Ethernet interfaces can be used by multiple users simultaneously. The DPN-F2004JN supports standard OMCI, can provide up to 1.25Gbps uplink and 2.5Gbps downlink high-speed transfer rate. It is an ideal terminal solution for FTTx deployment.

FEATURES

- Meets FTTH requirements to provide high-speed Internet access and voice service;
- Compliant with ITU-T G984.X and ITU-T G.988 Standards and compatible with mainstream OLT in the industry;
- Supports DBA (Dynamic Bandwidth Assignment);
- Supports uplink and downlink bidirectional FEC (Forward Error Correction);
- Supports powerful QoS function to meet the needs of different business types;
- Downlink speed up to 2.5Gbits/s and uplink speed up to 1.25Gbits/s;
- 10M/100M/1000M rate, full/half duplex self-adaption;
- Supports IGMP Snooping and controllable multicast;
- Supports power off alarm and data encryption;
- High integration chip is adopted - a single chip integrates PON and gateway modules, which is efficient and energy saving;
- Supports bridge or router mode or mixed working mode. Under Router mode, static configuration of multiple working modes such as IP address, DHCP and PPPoE are supported;

- High-speed forwarding can be realized by NAT function, which enables multiple users to share one public IP address to realize internet access;
- Supports DHCP server function, which facilitates users to configure the network;
- Linux-based operating system ensures stable and smooth operation;
- Supports TR069 protocol and be with comprehensive and detailed network management, as well as the web interface which is easy and simple to operate;
- Built-in firewall function, MAC address-based black and white list filtering, uplink and downlink based three-layer filtering rules creates a safer network for users;
- Concise and clear indicator light status enables quick and accurate fault location;
- Supports remote firmware upgrade of the device, which allows easy maintenance;
- Small size and light weight makes it easy for new installations and upgrade existing network.

SPECIFICATIONS	
Uplink Interface	One GPON port
Optical Connector	SC/UPC or SC/APC (optional)
Service Interface	Four 10/100/1000 Base-T ports (RJ45)
Wireless	External antenna IEEE 802.11b/g/n compliant Frequency: 2.4 GHz Two Transmit and Two Receive path (2T2R)
Dimension (W * D * H)	175mm * 145.5mm * 35mm
Power Consumption	< 12W
Power Adapter Input	100V to 240V AC, 50 Hz/60 Hz
Power Adapter Output	12V DC, 1A
Operating Temperature	-5°C to +50°C
Operating Humidity	0 to 90% (non-condensing)

REAR VIEW

ITEM	DESCRIPTION
LAN1 ~ LAN4	Connect to PC or LAN
DC/12V	Connect an external power supply
Power Button	Turn on /off the unit
Antenna	Transmit and receive Wi-Fi packets
LED Indicator	Press for 2 seconds, all the LED turn off or turn on
WPS Indicator	Press for 2 seconds, WPS function disable or enable
Wi-Fi Indicator	Press for 2 seconds, WLAN function disable or enable
Reset	Press for 5~10 seconds, reset ONU to the factory configuration
PON Port	Connect optical network