

6738-W1 xDSL 4 Port Wireless Gateway

- ✓ **VDSL2 with Profiles**
8a/b/c/d, 12 a/b, 17a, and 30a
- ✓ **G.INP and G.Vector**
- ✓ **Supports full ADSL2/ADSL2+ or ADSL2+ fallback**
- ✓ **Integrated Gigabit Ethernet port for GPON development**
- ✓ **Supports IEEE 802.11b/g/n WiFi with Built-in MiMo antennae**
- ✓ **USB 2.0 Host For DLNA (File and Printer Sharing)**
- ✓ **TR-069**



6738-W1 is a versatile Broadband gateway for service providers that are seeking a single platform that can support ultra-high bandwidth applications. Using VDSL2 mode (30a profile), the 67xx-W1 series can support 100mbps downstream and upstream connection rates.

VDSL2 technology providing up to 100Mbps downstream and 100Mbps upstream (profile 30a) can be used to provide video/data services or triple-play services.

ISPs can use the same gateway for FTTx deployment by using the Gigabit Ethernet WAN to a GPON device.

For the majority of the ISPs that are still using ADSL2+ technology, the same unit can be deployed in ADSL2+ networks and switched over to VDSL2 after the network upgrade.

Subscribers can enjoy always-on internet service even when DSL service is down by connecting a 3G dongle to one of the USB ports provided by the 67xx-W1.

Inside the home, the 6738-W1 plays a central role in interconnecting all networking devices such as PCs, game consoles, tablet or smart phones to the internet. It also provides internet access to all 802.11 b/g/n wireless capable devices via a built-in 2x2 MIMO antennae. The built-in DLNA server allows sharing of digital multimedia content and USB printers via the USB ports.

Technical Specifications

Dimensions

- 6.75" (H) x 8.5" (W) x 2.75" (D)
- 17.15 cm (H) x 21.59 cm (W) x 6.03cm (D)

Weight

- 0.75 lbs
- 440 grams

Power

- Input: 120- 240 VAC 50/60 Hz
- Output: 12VDC 2A

Interfaces

- 1x RJ11 VDSL2/ADSL2+
- 1 x RJ45 Gigabit Ethernet WAN
- 4 x RJ45 10/100-Base-TX Ethernet LAN
- 2 x USB Host 2.0
- 1 x Reset Button
- 2 x 802.11b/g/n built-in antennae
- 1 x ON/OFF Power Button
- 1 x WiFi On/Off Button
- 1 x WPS Button

Wireless Support

- IEEE 802.11b/g/n
- Frequency: 2.4GHz
- Antenna configuration: Built-in MIMO
- 4 SSIDs
- 128 Clients
- WPS (Wireless Protected Setup) button or pin
- 802.1x, WEP, WEP2, WPA; WPA2; TKIP; AES; 802.11i
- Hidden SSID
- WDS Bridge
- WMM for advance Quality of Service

Standards Support

- ADSL/ADSL2/ADSL2+
- VDSL2 profiles 8a/b/c/d, 12a/b, 17a and 30a
- Ethernet Interface
 - IEEE 802.3/802.3u compliant
 - 10/100Mbps operation
 - Half/full duplex operation
 - IEEE 802.3u clause 28-auto negotiation
 - Flow Control
 - Auto MDI/MDIX
 - IP Multicast and IGMP snooping
- Routing
 - Static routes
 - Dynamic routes: RIPv1 or RIPv2
 - PPP client
 - IGMP proxy
 - DHCP server and client
- Firewall
 - SPI firewall
 - Access control list based on IP Address and
 - Port forwarding, virtual server
 - Support for one DMZ host
 - ALG supports including FTP, TFTP, PPTP, L2TP, and SIP

Protocol Support

- ADSL/ADSL2/ADSL2+
 - ANSI T1.413 (Full Rate ADSL)
 - ITU G.992.1 (DMT)
 - ITU G.992.2 (G.lite)
 - ITU G.992.3 (ADSL2)
 - ITU G.992.5 (ADSL2+)
 - ITU G.994.1 (G.hs)
 - ITU G.997.1
 - Annex L
 - Annex M
 - Phy R
 - Support up to 8 PVC's
 - RFC 1483/2684 (Bridged/Routed Ethernet over ATM)
- VDSL2
 - ITU-T G.993.1 (VDSL1)
 - ITU-T G.993.2 (VDSL2)
 - ANSI T1-424
 - ETSI TS 101 270-1
 - ETSI TS 101 270-2
 - ITU-T G.994.1 (G.hs) based hand shaking
 - PhyR
 - G.INP
 - G.Vector
- IEEE 802.1d
- IEEE 802.1q
- IEEE 802.1p
- IEEE 802.3 ab
- IEE 802.3ah

Management

- Local Management via Web/HTTP
- TR-069 Remote Management
- SNMP GETs, SETs and TRAPs for four groups in MIB-II
- Embedded Syslog
- Firmware upgrade using HTTP, FTP, TFTP, TR-069
- Command line Interpreter (CLI)
- Multiple admin/user access

Regulatory Compliance

- FCC Part 15/68
- UL/ETL
- Industry Canada
- CE
- VCCI
- RoHS Compliant
- UL-60950-1

Operating Requirements

- Operating Temperature: 0° C - 40° C
- Operating Humidity: 5% - 95% (non-condensing)
- Storage Temperature: -20° C - 70° C
- Storage Humidity: 5% - 95% (non-condensing)

Ordering Information

6738-W1-NA	xDSL (30A) 4 Port WiFi 802.11N Gateway (North America Power Adapter)
6738-W1-UK	xDSL (30A) 4 Port WiFi 802.11N Gateway (United Kingdom Power Adapter)
6738-W1-EU	xDSL (30A) 4 Port WiFi 802.11N Gateway (European Power Adapter)
6738-W1-JP	xDSL (30A) 4 Port WiFi 802.11N Gateway (Japan Power Adapter)