

The GW6600V Series VDSL2, ADSL2+, 3G, LTE Router



Cost-effective business grade routers for:

- Secure branch office connectivity
- PCI compliant retail/Point of Sale
- Financial/ATM
- Remote security monitoring
- Lottery and gaming
- Utility applications

Overview

Based on the very latest VDSL, ADSL, 3G and LTE technology, Virtual Access GW6600V Series routers address the needs of Point of Sale (PoS), retail branch office, security monitoring and other key business applications demanding managed connectivity that is cost-effective, high performance and resilient to network outage or last mile circuit failure.

Designed for managed network providers, GW6600V Series routers provide secure WAN connectivity for internet and private networking environments over both DSL, 3G and LTE broadband paths.

Automatic Failover

The GW6600V provides optional automatic failover from fixed to wireless circuits ensuring business connectivity through network or last mile circuit outages, whilst email alerting and auto-failback confirm primary circuit restoration.

PCI DSS Compliance for Retail

Businesses that process, store or transmit credit card data, these days, must increasingly meet security requirements known as the Payment Card Industry Data Security Standard (PCI DSS). Designed to meet these standards, the GW6600V offers an extensive range of security, filtering and configuring functions enabling businesses to easily lock down computer and payment networks.

Four Port GigE Managed Switch

The four port GigE managed switch enables multiple devices to be connected with the ability to segment into separate LANs. Tagged 802.1q VLANs are also supported.

Optional 802.11n WiFi

The GW6600V optionally incorporates WiFi connectivity. It can be configured to operate in either access point or client mode.

Dial Modem Interface

An optional internal PSTN dial modem provides out-of-band access, which can avoid costly truck-rolls.

SMS Messaging

Inbound and outbound SMS messages enhance the management capability of the device. For example, if all other WAN services are unavailable, commands can be sent to the router to perform diagnostics or even reset the unit.

Automated Router Provisioning

As with all Virtual Access routers, GW6600V Series routers offer simplicity when it comes to service provisioning. Using the centralised service management models from Virtual Access, the task of physical router configuration is minimised.

Router profiles are configured centrally enabling rapid services deployment to the end-customer sites. This process offers service providers considerable business benefits in large scale router deployments.

Centralised Router Monitoring

The Virtual Access Monitor is a secure portal that works in conjunction with each router installed at the edge of a customer's network. Monitor provides centralised access to device diagnostics and network availability status.

Another feature offered is SLA reporting functionality. The GW6600V can be configured to monitor certain traffic types and stores local statistical information based on this traffic. Monitor can then periodically pull this information from the router and present a range of statistics including latency, packet loss and wireless signal strength.

Software Features

Management

- Automatic configuration using Activator server
- HTTP/HTTPS
- Command Line Interface via Telnet or SSH
- TFTP client download/upload
- SNMP agent
- SMS management support

Fault Investigation and Reporting

- Event logging
- Syslog support
- Packet tracing

Routing Features

- IPv4 and IPv6
 - DHCP server/client
 - DynDNS
 - NAT
 - NAT Traversal
 - NTP Client
 - VLAN support
 - Packet filtering
 - Firewall
 - Port forwarding
 - BGPv4, OSPF
 - RIP (v1 and v2)
 - IPSec/L2TP/GRE
 - DMVPN
 - SNMP v1/v2/v3
 - TLS 1.2
 - QoS
 - VRRP
- ### IPSec VPN
- IKE version 2
 - X.509 certificates
 - Elliptic Curve Cryptography (ECC)
 - SHA2_512 support
 - AES_CBC (256), 3DES and DES
 - PFS
 - SCEP
 - DH_8192
 - 802.1x authentication
 - IEC 104

Hardware Features

GigE Interfaces

- Four 10/100/1000 Mbps Base-T Ethernet ports
- Ports can be divided into separate LANs using port-based VLAN feature
- Auto-detects a regular or crossover cable for easy connection to a switch or hub

WAN Interfaces

- Wireless WAN with 3G or LTE options
- Ethernet ports can optionally be configured for WAN use
- Intel/Lantiq VRX318 chipset. Conforms to the following ITU standards:
 - ITU-T, G.992.1 G.dmt Asymmetric Digital Subscriber Line (ADSL) Transceivers
 - ITU-T, G.992.2 G.lite Splitterless Asymmetric Digital Subscriber Line (ADSL) Transceivers
 - ITU-T, G.992.3 Asymmetric Digital Subscriber Line (ADSL) Transceiver - 2 (ADSL2)
 - ITU-T, G.992.5 Asymmetric Digital Subscriber Line (ADSL) Transceiver - Extended Bandwidth ADSL2 (ADSL2+)
 - ITU-T, G.993.1 Very High Speed Digital Subscriber Line
 - ITU-T, G.993.2 Very High Speed Digital Subscriber Line

VLAN Support

- Tag-based 802.1Q VLAN or port-based VLAN on 4 ports

WiFi

- 802.11n b/g/n
- WPA/WPA2
- Dual-Band (2.4 or 5Ghz) selectable
- 64/128/152-bit WEP encryption, IEEE 802.1x authentication, AES and TKIP encryption

SIM

- 2 x SIM card socket with optional slot cover

Dial Modem Interface (Optional)

- V.92 support up to 56Kbps
- Caller ID can answer calls from known diallers only

Antenna Options

- 2 x SMA female antenna sockets are provided for each radio (WAN or WiFi)
- Many antenna options are available

Approvals and CE Certificates

- EN 60950 safety approval
- EN 55022 and EN 55024 EMC

Operating Power

- Power: 12 Watts
 - Input voltage: 9-15V DC
 - Optional external AC adapter (100-240V AC)*
 - Optional DC power cable*
- *Power option must be selected

Physical and Environment

- Unit size: 224W 158D 34H mm
- Unit weight: 950g
- Packaging size: 335W 215D 100H mm

Operating Temperature

- The operating temperature range depends on the router model.
- Standard temperature range:
 - 0°C to +50°C
- Optional industrial temperature range:
 - Order code -ET -20°C to +65°C
 - Order code -RFF -20°C to +60°C
- External AC PSU operating temperature ranges:
 - 0°C to +70°C PSU
 - -40°C to +70°C PSU

GW6600V Series Models and RF Band Options

GW6600V Series Models						
Model	VDSL2/ADSL2+	GigE	3G/HSPA+	LTE	CDMA 450MHz	Dual SIM
GW6600V	1	4	0-1	0-1	0-1	1

Notes:

1. Only a single 3G/HSPA+, LTE or CDMA450 radio is configurable
2. WiFi or 3G, LTE, CDMA, WAN radios only
3. A GigE port can be assigned as a primary WAN port

RF Band Options							
RF Band	Region	2G Bands	3G Bands	LTE Bands	LTE Category	Operating Temp	Order Code
A	Europe China	850/900/1800 1900	900/2100	-	-	-40°C to 70°C	-RFA
B	Europe Asia	850/900/1800 1900	850/900/1900/2100	-	-	-40°C to 70°C	-RFB
C	Europe Asia	850/900/1800 1900	850/900/1900/2100	B1/B2/B3/B5/B7/B8/B20	-	-30°C to 70°C	-RFC
D	Worldwide	-	-	B3/B7/B20/B31	-	-20°C to 60°C	-RFD
E	Europe	900/1800	900/2100	B1/B3/B7/B8/B20/B38/B40	3	-30°C to 70°C	-RFE
F	Worldwide	-	CDMA TX 452.500 ~ 457.475 RX 462.000 ~ 467.475	-	-	-20°C to 60°C	-RFF
G	Worldwide	850/900/1800 1900	850/900/2100	B1/B3/B5/B7/B20	-	-40°C to 70°C	-RFG
J	Worldwide	450	-	-	-	-40°C to 70°C	-RFJ
L	Europe APAC	900/1800	900/2100	-	-	-40°C to 70°C	-RFL
M	North America	-	850/1900	B2/B4/B5/B17	-	-30°C to 70°C	-RFM
N	Worldwide	-	850/900/1700/1800 1900/2100	B1/B2/B3/B4/B5/B7/B12/B13 B20/B25/B26/B29/B30/B41	-	-40°C to 70°C	-RFN
P	Australia New Zealand Latin America Taiwan	850/900/1800 1900	850/900/1900/2100	B1/B2/B3/B4/B5/B7/B8 B28/B40	4	-40°C to 70°C	-RFP
Q	Mexico/USA Canada	-	850/1900	B1/B2/B4/B5/B12/B13	4	-40°C to 70°C	-RFQ
Q1	Mexico/USA Canada	-	850/1900	B1/B2/B4/B5/B12/B13	1	-40°C to 70°C	-RFQ1
R	EMEA/Korea Thailand Indonesia	900/1800	850/900/2100	B1/B3/B5/B7/B8/B20/B38 B40/B41	4	-40°C to 70°C	-RFR
R1	EMEA/Korea Thailand	900/1800	850/900/2100	B1/B3/B5/B7/B8/B20	1	-40°C to 70°C	-RFR1
S	Europe	900/1800	850/900/2100	B1/B3/B5/B7/B8/B20/B38 B40/B41	4	-40°C to 70°C	-RFS
T	Asia/Pacific	900/1800	800/850/900/1700/2100	B1/B3/B5/B7/B8/B18/B19/B21 B28/B38/B39/B40/	6	-40°C to 70°C	-RFT
U	EMEA/North America/Latin America/APAC/ Japan/Australia	-	800/850/900/ 2100/1900/1800/1700	B1/B2/B3/B5/B7/B8/B18/B19/B21 B25/B26/B38/B39/B40/B41/B66	6	-40°C to 70°C	-RFU
X	Australia	-	850/2100	B1/B3/B5/B7/B28	4	-40°C to 70°C	-RFX
X1	Australia	-	850/2100	B1/B3/B5/B7/B28	1	-40°C to 70°C	-RFX1