

## VDSL2 Bridged/Router 4-Port Modem

- ✓ *Programmable support of plan 997, 998, FX and China plan, and capable of supporting VDSL2 profiles 8a/b/c/d, 12a/b, 17a and 30a*
- ✓ *Optional US0 band for long reach applications*
- ✓ *DMT based packet mode supports Ethernet-over VDSL (EoVDSL) symmetric line data rates up to 100 Mbps downstream and 100Mbps upstream at short loop*
- ✓ *Auto sensing Ethernet ports*
- ✓ *Supports packet transfer mode with HDLC or EFM framing for EoVDSL*
- ✓ *Integrated Layer 2 switch with traffic classification and QoS support, including IP QoS based on IP, physical port*
- ✓ *IP routing, NAT, PAT, SPI firewall and packet filtering*



The 6652-A2 is a VDSL2 modem utilizing the Ikanos chipset with bridged and router mode that complies with various VDSL2 standards, and provides unprecedented broadband service over a single pair of copper wire. The four 10/100 Base-T Ethernet Ports can easily connect to any PC or LAN in a home or small office environment. Quality and multimedia service is ensured with its powerful traffic control and management over layer 2 or layer 3. While the NAT/PAT technologies share the broadband connection to all its LAN clients for all prevailing internet applications, the embedded firewall keeps out those malicious attacks and intrusions. Network management is implemented so it can be easily configured and managed by the service provider.

## Technical Specifications

### Dimensions

- W(10.03in) x D(6.29in) x H(1.65in)

### Weight

- 0.75lbs

### Power

- Input 100~240 VAC 50/60Hz
- Output 12V 1.5A

### Interfaces

- 1 x RJ11 - VDSL2 uplink
- 4 x RJ45 - 10/100Base-TX Ethernet
- 1 x ON/OFF Power Switch
- 1 x Reset

### Standards Support

- VDSL
  - ITU-T G.993.2 (VDSL2)
  - ITU-T G.993.1 (VDSL1)
  - ANSI T1-424
  - ETSI TS 101 270-1
  - ETSI TS 101 270-2
  - China MII VDSL standard
  - ITU-T G.994.1 (G.hs) based hand shaking
  - Supports band plan 997, 998, FX and China
  - VDSL2 profiles 8a/b/c/d, 12a/b, 17a and 30a
  - EFM (IEEE802.3ah)
  - Extended USO band up to 276kHz
  - VLAN to Port mapping
- Ethernet Interface
  - IEEE 802.3/802.3u compliant
  - Support 10/100Mbps operation
  - Support half/full duplex operation
  - Support IEEE 802.3u clause 28-auto negotiation
  - Support Flow Control
  - Support Auto MDI/MDIX
  - IP Multicast and IGMP snooping
  - Support 802.1d
  - IEEE 802.1q
  - IEEE 802.1p
  - Q-in-Q support
- 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 and port
  - Port forwarding, virtual server
  - Support for one DMZ host
  - ALG support including FTP, PPTP, L2TP

### Protocol Support

- ITU-T G.993.2
- ITU-T G.993.1
- ANSI T1.424
- ETSI TS 101 270-1
- ETSI TS 101 270-2
- RIPv1
- RIPv2
- UPnP
- IGMP proxy

### Management

- Web Interface HTTP
- Telnet
- CLI

### Regulatory Compliance

- FCC Part 15/68
- UL
- CSA
- CE
- RoHS Compliant

### Operating Requirements

- Operating Temperature: 0C to 40C / 32F to 104F
- Non-Operating Temperature: -20C to 85C / -4F to 185F
- Operating Humidity: 5% to 95% Relative Humidity (Non-Condensing)
- Non-Operating Humidity: 5% to 95% Relative Humidity (Non-Condensing)

## Ordering Information

6652-A2-200	VDSL2+ 4 Port CPE, NA
6652-A2-302	VDSL2+ 4 Port CPE, EURO
6652-A2-600	VDSL2+ 4 Port CPE, Japan

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