

DSL805EW ADSL 2+ Wireless G++ 4 Port Gateway

OVERVIEW

The Shiro DSL805EW ADSL 2+ Wireless G++ 4 Port Gateway uses Texas Instruments AR7 with 1350A for wireless combined Chipset solution that fully complies with ANSI T1.413 Issue 2, ITU-T G.992.1 (G.dmt) and G.992.2 (G.lite), ADSL standard. Shiro DSL805EW also provides future proof functionality with higher data transmission rates with ADSL2, ADSL2+, and Extended Reach-ADSL support. This next generation ADSL will be providing up to 12Mbps speed and additional 600 feet reach for ADSL2 and up to 26Mbps speed for distances up to 5,000 feet for ADSL2+.

MAIN FEATURES

ADSL/ATM Support

- ANSI T1.413 issue 2, ITU-T G.992.1 (G.dmt) and G.992.2 (G.lite) compliant
- G.992.3 (ADSL2), G.992.5 (ADSL2+), RE-ADSL Ready
- Rate Adaptive modem at 32 Kbps steps
- Dynamic Adaptive Equalization to improve Carrier's service area
- Bridge Tap Mitigation support
- ATM Layer with Traffic shaping QoS Support (UBR, CBR, VBR-rt, VBR-nrt)
- AAL ATM Attributes - AAL5
- Supports 8 multiple PVC (up to 16 PVC Bridge Support)
- Spectral compatibility with POTS
- F4 & F5 OAM Loopback/Send and Receive
- Annex B population option
- TR-067 compliant

Encapsulation Support

- RFC2684 Bridge and Routed LLC and VC Mux support
- RFC2364 PPPoA Client support
- RFC2516 PPPoE Client support
- Transparent Bridge Support
- PAP/CHAP/MS-CHAP for Password Authentication Support

Network Support

- Static IP, Dynamic RIP routing support
- IP/TCP/UDP/ICMP/ARP/RARP Application Support
- Network Address Translation (NAT)
- Port Mapping/Forwarding/Triggering
- Easy setup of Port Forwarding rules for popular Games/Application
- NAT Application Level Gateway for popular applications
- DHCP Server/Relay/client
- DNS Relay Agent
- DMZ support
- PVC to VLAN Mapping
- Multiple Sessions IP Sec and PPTP/L2TP VPN pass through support
- PPP Always on with configurable timeout
- PPP Dial on Demand
- Universal Plug and Play Support
- SNMP v1 and v2
- Multi NAT support
- Easy Connect Support.
- DDNS (Dynamic DNS) Support
- IGMP Proxy Support (IGMP v1 and v2)
- SNTP Support
- QoS Support (DSCP, TOS).
- PPP/DHCP Auto Detection

WLAN Support

- IEEE 802.11, 802.11b and 802.11g compliant
- Supports 802.11b, 802.11g and 802.11g++ simultaneously
- Transmit output power up to 20dBm (standard)
- Conforms to Wireless Ethernet Compatibility Alliance (WECA) Wireless Fidelity (Wi-Fi[™]) Standard

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- Support seamless WLAN roaming
- Frequency Band :
 - 2412 MHz - 2462 MHz (North America/FCC)
 - 2412 MHz - 2472 MHz (ETSI/Europe)
 - 2412 MHz - 2484 MHz (Japan)
 - 2457 MHz - 2472 MHz (France)
 - 2457 MHz – 2462 MHz (Spain)
- Support Direct Sequence Spread Spectrum (DSSS) technology
- Modulation : OFDM with BPSK, QPSK, 16QAM, 64QAM, DBPSK, DQPSK, CCK
- Wireless Media Access Protocol- CSMA/CA with ACK
- 64/128/256Bit WEP Encryption
- WPA/WPA2 Support
- Dynamic Rate Scaling from 125, 54, 48, 36, 24, 12, 11, 9, 6, 5.5, 2, 1 Mb/s
- Operating Range of >300 Meters (Open Air)
- Extended Range with 802.11g++ support
- WDS Support (Wireless Distribution System)
- Multiple SSID Support

Management Support

- Web Based HTTP management GUI
- TFTP/FTP Support for Firmware Upgrade
- Web Based Firmware Upgrade (Local)
- Soft Factory Reset Button via Web GUI
- Diagnostic Test (DSL, OAM, Network, Ping Test)
- TR068 – WAN Access
- Telnet/CLI (Read and Write)
- Syslog Support
- Firmware upgrade-able for future feature enhancement
- TR-069 Support with firmware upgrade

Security Support

- NAT for basic Firewall support
- Packet Filtering Firewall Support
- Stateful Packet Inspection Support
- Protection against Denial of Service attacks
- Password Authentication to Modem

HARDWARE

- Texas Instrument TNETD7300EZDW (TI7200) Single Chip Network Processor/AFE/Line Driver Chipset
- IC Plus IP175C 5 PORT 10/100 MAC/PHY Switch (Support Auto MDI/MDIX)
- Texas Instrument TNETW1350A based IEEE802.11b/g Daughter Board
- 4 MB Flash ROM (Upgrade option to 8MB)
- 16 MB SDRAM
- ITU K.21 Support
- GDT Support

* Feature subject to change

PLATFORM SUPPORT

For Ethernet and Wireless LAN, it is Operating System Independent

POWER SUPPLY

- Input Voltage: 9V DC +/- 10%
- Input Current: 1.0A

PHYSICAL SPECIFICATION

LED Indicators

- 1 x "Power" LED (Green and Red LED)
- 4 x Ethernet Link Status (Green) LED
- 1 x "Wireless" LAN Link/Activity Status (Green) LED
- 1 x "DSL" Status (Green) LED
- 1 x "Internet" Status (Green and Red) LED

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External Connectors

- 1 x RJ-11 Telephone socket for ADSL line
- 4 x RJ45 for 10/100Base-T Ethernet (MDI/MDI-X)
- 1 x DC Jack for Power Input
- 1 x Factory Default Reset Button
- 1 x On/Off Push Button Switch
- 2 x 360° Rotate-able 2.4Ghz 3 dBi Antenna

Measurements

- Dimension: 159 (L) x 119 (W) x 30 (H) mm
- Weight: Approx. 250g

REGULATORY APPROVAL

- Asia Pacific /Europe: CE, IEC 60950
- Singapore IDA

ENVIRONMENTAL

Temperature

- Operating: 0° to 40° Celsius (32° to 104° Fahrenheit)
- Non-Operating: -25° to 70° Celsius (-13° to 158° Fahrenheit)

Humidity

- Operating: 8% to 95% Relative Humidity (Non-Condensing)
- Non-Operating: 5% to 95% Relative Humidity (Non-Condensing)

NOTE: Specifications subject to change without prior notice.