



Touchstone® DOCSIS® 3.0 Residential Gateway

TG1662G Dual Band 802.11n, 4 Port Router, and 2 Voice Lines

Configuration

- 16x4 Channel Bonding
- Full Capture Bandwidth Tuner
- Multi Processor Technology for Highest Performance
- Intel Atom Core Application Processor
- DOCSIS® 3.0 and PacketCable™ 2.0 compliant design
- 4 port Gigabit Ethernet Wireless Router
- 3x3 Integrated Dual Band Concurrent 2.4GHz and 5GHz 802.11n radios with Beam Forming
- USB 2.0 Host Port
- Upcoming support for DLNA and File Storage
- Two FXS lines of carrier-grade VoIP
- HD Voice
- Dual Stack IPv4/IPv6 Home Router
- Internal Power Supply for Highest Reliability
- Battery backup



Application

The ARRIS DOCSIS 3.0 Residential Gateway TG1662G combines two analog voice lines, a 4-port Gigabit Router, and a Dual Band 802.11n wireless access point into a single integrated device. Using Intel's multi-processor technology, the TG1662G can achieve high bandwidth performance without affecting the ARRIS legendary standard of voice quality. This feature-packed unit is intended to serve as the hub of the subscribers network, connecting all IP capable devices (Internet, Data, Voice and Video) throughout the customers premises. The TG1662G will continue to lead the future for these advanced home and small office services.

Performance

Operators want to push the limits on DOCSIS 3.0 performance and the user experience delivered to the customer. The TG1662G with its superior 802.11n Dual Band Wireless radios, and USB interfaces can deliver this performance while also offering improvements in home coverage above that of previous models.

Maintenance

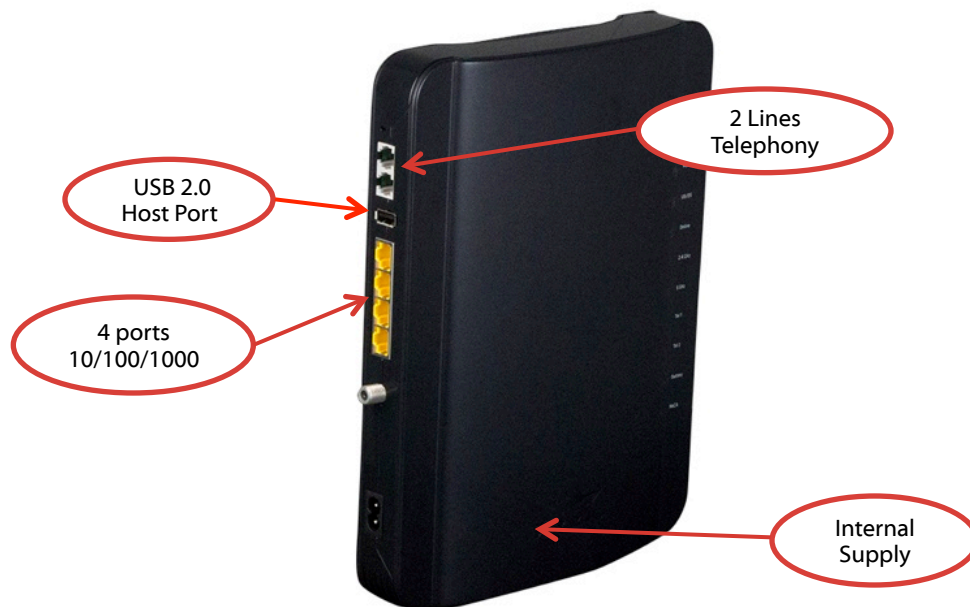
Residential gateway support has always been a concern of the operator. The TG1662G distinguishes itself with capabilities to minimize these support needs. Multiple provisioning methods (SNMP, Configuration File, Remote WebGUI access, TFTP, and TR-069) allow custom designed setups to be applied to monitor the end user more efficiently. Multiple local and remote access levels (User, Admin) also allow more ease and flexibility for manual configuration and control.

Energy Management and Conservation

To lower the operational costs, ARRIS advanced battery technology allows for use of a single battery pack for reaching a full 8 hours of standby support. This technology will also realize significant cost savings to the end consumer in energy consumption over the life of the product.

Touchstone® Residential Gateway TG1662G

- DOCSIS® 3.0 compliant designs
- Up to 16 downstream and 4 upstream channel bonding
- Full Capture Bandwidth Tuning capability
- High performance Wi-Fi® Alliance certified 802.11a/b/g/n wireless access point
- Dual Band Concurrent radios for 2.4GHz and 5GHz operation
- Internal 3x3 MIMO antenna per radio configuration for optimal throughput and coverage
- Supports 802.11n Beam Forming
- High Speed Internet via 4 ports 10/100/1000Base-T Ethernet (RJ-45)
- All ports Auto-negotiation, auto speed sensing and Auto MDI/X
- Multiple (8) SSID Support per radio
- WPA™ and WPA2™ Personal and Enterprise, 64/ 128 bit WEP, and MAC authentication wireless security options
- Support for WMM® QOS, and WMM Power Save
- Wi-Fi Protected Setup™ (facilitates easy set-up of security using a Personal Identification Number (PIN) and/or a button located on the Wi-Fi device)
- Planned feature support for DLNA and File Storage.
- USB 2.0 Embedded Host port
- Support for Dual Stack IPv4/IPv6 Home Router, Static and Dynamic IP, DHCP, NAT, L2TP, VLAN's and RIP
- Integrated Universal Power Supply for Higher Reliability
- Toll grade and HD High Fidelity Wideband CODECs provided.
- Battery Backup options allow up to 8 hours of standby support



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