Touchstone®
DOCSIS® 3.0
Residential
Gateway

With 802.11n, 4 Port Router, and 2 Voice Lines TG862G

Configuration

- 8x4 Channel Bonding
- Multi Processor Technology for Highest Performance
- DOCSIS® 3.0 and PacketCable™ 1.1/1.5 compliant design
- Upgradable to PacketCable 2.0
- 4 port Gigabit Ethernet Wireless Router
- Integrated 2.4GHz 802.11n radio
- USB 2.0 Host Port
- Enhanced WebGUI Interface with Technician Level Access
- Supports Firewall, Parental Control, L2TP, RIP, DHCP and more
- Up to two lines of carrier-grade VoIP
- Multiple Protocol Support: PacketCable (NCS) and Session Initiation Protocol (SIP)
- Internal Power Supply for Highest Reliability

Advanced Residential Gateway Solution for Voice, Data , and Wireless

The Touchstone® DOCSIS® 3.0 Residential Gateway is an 8x4 advanced gateway product. The TG862 combines two analog voice lines, a 4-port Gigabit Router, and a 802.11n wireless access point into a single device capable of supporting both home and small office applications. Using multi-processor technology, the TG862 can achieve high bandwidth performance without affecting voice quality, a historical ARRIS product standard. This feature packed unit will lead the future for advanced home and small office services.

Enhanced Performance

Operators strive to push the limits on DOCSIS 3.0 performance delivered to the customer with both the Ethernet and the wireless interfaces. The 802.11n wireless interface can deliver the performance desired while also offering improvements in home coverage above those of previous technologies.
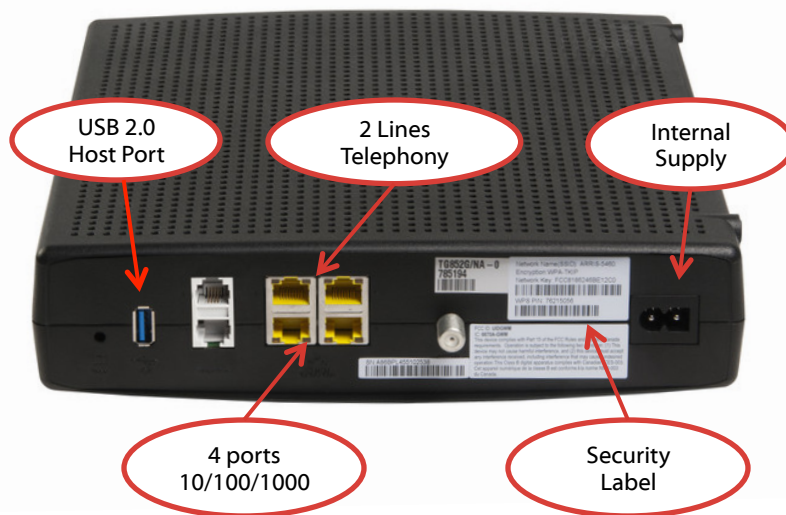
Efficient and Flexible Maintenance

The TG862 distinguishes itself with capabilities that minimize an operator's support needs. Multiple provisioning methods (SNMP, Configuration File, Remote WebGUI access, and TFTP) allow a custom designed setup to be efficiently applied to the end user. Multiple local and remote access levels (User , Technician) also allow more ease and flexibility for manual configuration and control.

Energy Management and Conservation for Cost Savings

To lower the operational costs, ARRIS advanced battery technology allows for use of the smallest battery size in the industry for reaching 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.

Product Flyer

Touchstone ® DOCSIS ® 3.0 Residential Gateway With 802.11n, 4 Port Router, and 2 Voice Lines

- DOCSIS® 3.0 compliant designs
- Up to 8 downstream channels supporting over 320Mbps of data capacity
- Up to 4 upstream channels supporting over 120Mbps of data capacity
- Tuners support two 96MHz blocks for up to 8 bonded channels
- High performance WiFi-Alliance certified 802.11b/g/n wireless access point
- Advanced MIMO antenna configuration for optimal throughput and coverage
- High Speed Internet via 4 ports 10/100/1000Base-T Ethernet (RJ-45)
- All ports support Auto-negotiation, auto speed sensing, and Auto MDIX
- Multiple (4) SSID Support. Expandable to 8.
- 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)
- Software support for UPnP
- USB 2.0 powered Host Port
- Support for Static and Dynamic IP, DHCP, NAT, L2TP, VLAN's and RIPv2
- Dual Color LED Status Information for defining operational status
- Low Power Consumption
- Integrated Universal Power Supply for Higher Reliability
- Vertical or Horizontal Mounting
- 2 lines of Carrier Grade Voice
- Multiple Protocol Support: PacketCable (NCS) and Session Initiation Protocol (SIP)
- Toll grade, compression, and High Fidelity Wideband CODECs (HD) supported.
- Battery Backup options allow over 8 hours of standby support

USB 2.0 Host Port · 2 Lines Telephony · Internal Supply · 4 ports 10/100/1000 · Security Label

ARRIS

www.arrisi.com