



Touchstone® DOCSIS® 3.0 Residential Gateway

DG1670A Dual Band 802.11n, 4 Port Router, and MoCA®

Configuration

- 16x4 Channel Bonding
- 24 Downstream Upgradable
- Full Capture Bandwidth Tuner
- Multi Processor Technology with an Intel Atom Core Application Processor
- DOCSIS® 3.0 certified 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
- MoCA1.1 for in Home Video and Data distribution over Coax
- Dual Stack IPv4/IPv6 Home Router
- Internal Power Supply for Highest Reliability



Application

The ARRIS DOCSIS 3.0 Residential Gateway DG1670A combines a 4-port Gigabit Router, MoCA and a Dual Band 802.11n wireless access point into a single integrated device. Using Intel's multi-processor technology, the DG1670A can achieve high bandwidth performance with simultaneous activity on all interfaces. 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 DG1670 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 DG1670A with its advance 3x3:3 Dual Band Wireless radios, and industry leading Beam forming technology provides superior home coverage and best in class wireless performance. The DG1670 Ethernet, USB and MoCA interfaces can deliver the uninterrupted performance while also offering improved quality of service and in home coverage above those of previous models.

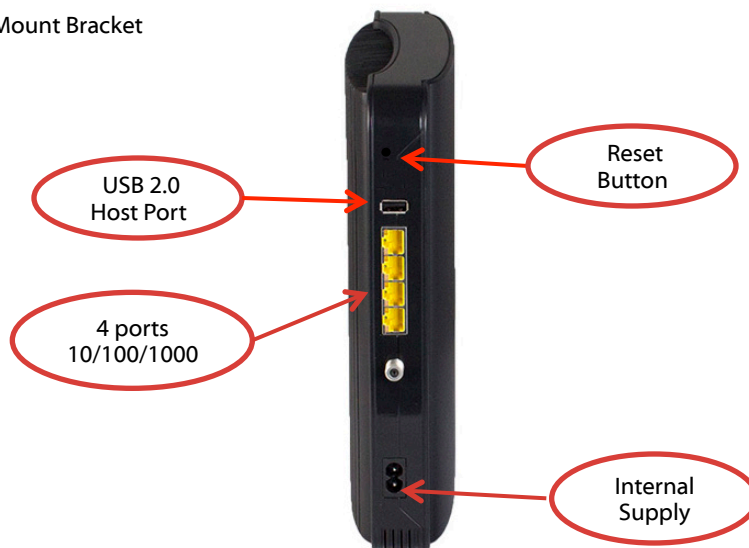
Maintenance

Residential gateway support has always been a concern of the operator. The DG1670 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 has incorporated technologies that will also realize significant cost savings to the end consumer in energy consumption over the life of the product.

- DOCSIS® 3.0 compliant designs
- Up to 16 downstream and 4 upstream channel bonding
- Upgradable to support 24 downstreams with ARRIS license
- 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 with Beam Forming for optimal throughput and coverage
- 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)
- High Speed Internet via 4 ports 10/100/1000Base-T Ethernet (RJ-45)
- All ports Auto-negotiation, auto speed sensing and Auto MDI/X
- Planned feature support for DLNA and File Storage.
- USB 2.0 Embedded Host port
- In home MoCA networking support
- 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
- Compact footprint with advanced styling
- Reduced front LED' s to improve in home appearance
- Optional Wall Mount Bracket



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