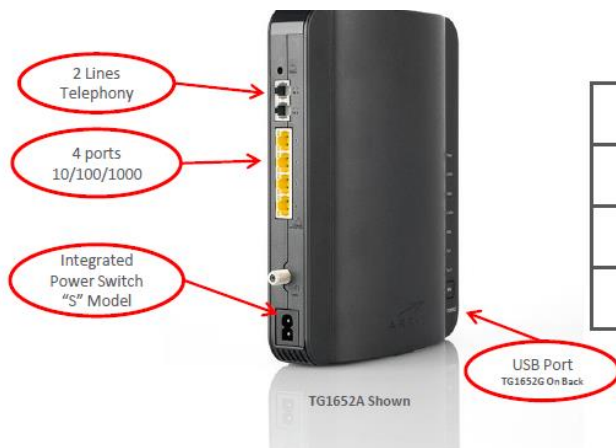


ARRIS TG1652S-85

WIRELESS GATEWAY

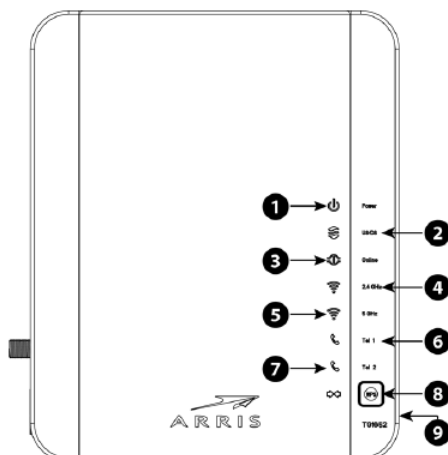
- 16x4 Channel Bonding
- 85 MHz Diplexer
- Up to 800 Mbps Downstream support with internal Spectrum Analyzer
- Up to 120 Mbps Upstream support
- DOCSIS®/EuroDOCSIS® 3.0 compliant design
- Full Capture Bandwidth Tuner
- Multi Processor Technology with a 600MHz Intel Atom Core
- Application Processor
- 4 port Gigabit Ethernet Router
- 2x2 2.4GHz 802.11n Radio, 2x2 5GHz 802.11ac Radio
- USB 2.0 Host Port
- Advanced Firmware support for IPV6 and SoftGRE
- Two FXS lines of carrier-grade VoIP with HD voice support



Interface Speeds

| | |
|--------------------|----------|
| Wi-Fi | 1200Mbps |
| DOCSIS® Downstream | 640Mbps |
| USB2.0 | 480Mbps |
| DOCSIS® Upstream | 120Mbps |

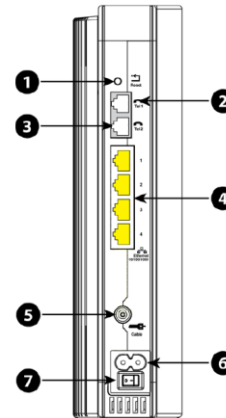
FRONT PANEL



1. Power LED
2. US/DS LED
3. ONLINE LED
4. 2.4 GHz LED
5. 5 GHz LED
6. Tel 1 LED
7. Tel 2 LED
8. WPS Button/LED
9. USB LED

REAR PANEL

1. Reset Button
2. Telephone Port 1
3. Telephone Port 2
4. Ethernet Ports 1-4
5. Cable Connector
6. Power Jack
7. Power Switch



SPECIFICATIONS

| PHYSICAL | |
|--------------------------------------|---|
| Operating Temperature °C | 0 to 40 |
| Operating Relative Humidity | 5-85% (Non condensing) |
| Storage Temperature°C | -40 to 70 |
| Dimensions (H x W x D) mm | 235 x 190 x 58 (excludes "F" connector) TG1652A 260 x 230 x 58 (excludes "F" connector) TG1652G |
| Weight kgs. | 0.7 (TG1652A/S) .8 (TG1652G no battery) |
| Diagnostic LED's (Front) | Power, US/DS, Online, 2.4GHz, 5GHz, Tel1, Tel2, WPS, Battery (1652G) |
| Diagnostic LED's (Rear) | Ethernet Link/Speed |
| Front Switches | WPS |
| Rear Switches | Power Switch TG1652S Only |
| Battery (1652G) | 718005 for 8 hour holdup time |
| INTERFACES | |
| RF Interface | External 'F' type connector |
| Data Interfaces (bridged) | 4 x 10/100/1000 Base-T (RJ-45) |
| Analog Telephony Interface | 2 lines; RJ-11 |
| USB Interface | USB 2.0 Powered Host Port |
| Input Voltage (nominal) | 115V-230VAC 50/60Hz |
| TELEPHONY | |
| Supervisory Voltage | 48 Vdcnominal |
| Ringing Load Capacity | 6 REN total; 3 per line |
| Provisionable High Loop Current Mode | Yes (40mA constant current source) |
| Codec Support | G.729, G.711, G.722 |
| RF DOWNSTREAM | |
| Bonded Channels | Up to 16 |
| Tuner Configuration | Full capture tuning range |
| Frequency Range (MHz) | 108-1002 |
| Data Rate (Mbps Max.) | 640Mbps |
| RF Input Sensitivity Level (dBmV) | -15 to +15 (DOCSIS), -17 to +15 EuroDocsis |
| RF UPSTREAM | |
| Bonded Channels | Up to 4 |
| Frequency Range (MHz) | 5 to 42 DOCSIS, 5 to 85 EuroDOCSIS |
| Data Rate (Mbps Max.) | up to 120 (4 upstreams) |
| RF Output Level (dBmV) | +57 dBmV (64 QAM, single upstream) +54dBmV (64QAM, 4 upstreams) +58dBmV (16 QAM, single upstream) |
| WIRELESS 2.4GHZ | |
| Transmit Power EIRP | +23dBm (802.11n MCS0, HT20) +18dBm (802.11n MCS7, HT20) |
| Spatial Streams/Antennas | 2 |
| Receive Levels | <-85dBm 802.11n (MCS0,HT20) <-68dBm 802.11n (MCS7, HT20) |
| WIRELESS 5GHZ | |
| Transmit Power EIRP | +23dBm (802.11ac MCS0,VT20) +18.5 dBm (802.11n MCS7,HT40) |
| Spatial Streams/Antennas | 2 |
| Receive Levels | <-87dBm 802.11ac (MCS0,VT20) <-65dBm 802.11n (MCS7,HT40) <-54dBm (802.11ac, MCS9,VHT80) |

ORDERING INFORMATION

| PART # | DESCRIPTION |
|---------|--|
| 804124 | TG1652A/NA,42MHz Upstream, US Cord, Non-Battery |
| 804122 | TG1652A/CE, 42MHz Upstream, CEE7/16 Cord, Non-Battery |
| 804118 | TG1652G/NA-0,42MHz Upstream, US Cord, Battery Capable |
| 804119 | TG1652G/NA-8,42MHz Upstream, US Cord, with 8 Hour Battery |
| 804121 | TG1652G/CE-0,42MHz Upstream, CEE7/16 cord, with 8 Hour Battery |
| 804120 | TG1652G/CE8,42MHz Upstream, CEE7/16 cord, with 8 Hour Battery |
| 1000294 | TG1652S/CE-85, 85MHz Upstream, EuroDOCSIS, CEE7/16 Cord, Non-Battery |