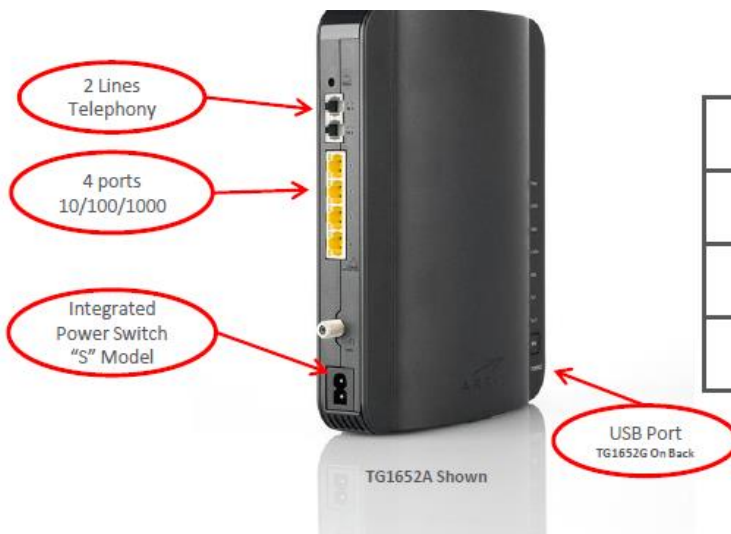


ARRIS TG1652S-85

WIRELESS GATEWAY

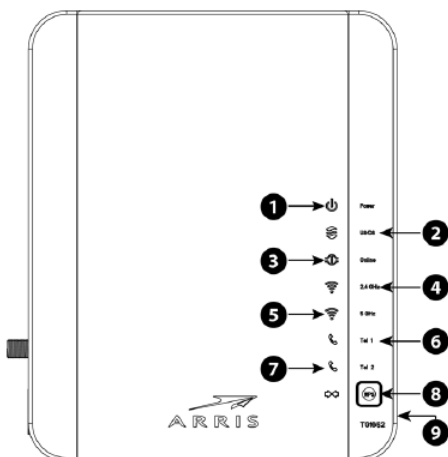
- 16x4 Channel Bonding
- 85 MHz Diplexer
- Up to 800 Mbps Downstream support with internal Spectrum Analyzer
- Up to 120 Mbps Upstream support
- DOCSIS®/EuroDOCSIS® 3.0 compliant design
- Full Capture Bandwidth Tuner
- Multi Processor Technology with a 600MHz Intel Atom Core
- Application Processor
- 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

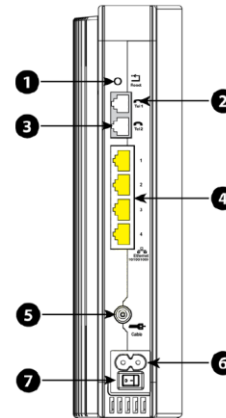
FRONT PANEL



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
ProvisionableHigh 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