

ARRIS TG2482

DOCSIS 3.0 CABLE GATEWAY

- 24x8 Channel Bonding
- 1 Gbps Downstream support with internal Spectrum Analyzer
- EuroDOCSIS ® 3.0 certified design
- Full Capture Bandwidth Tuner
- IPV6 Logo Certified
- Multi Processor Technology with a 1.2 GHz Intel Atom Core Application Processor
- 4 Port Gigabit Ethernet Router
- 3x3 2.4 GHz 802.11n
- 4x4 5 GHz 802.11ac Wave 2
- Mu MiMO and Beamforming Support
- USB 2.0 Host Port
- Advanced Firmware support for IPV6, DS Lite, and SoftGRE
- 2 FXS lines of carrier grade VoIP with HD voice support



Interface Speeds

WiFi	2160Mbps
DOCSIS Downstream	1200Mbps
USB2.0	480Mbps
DOCSIS Upstream	240Mbps

POWER SUPPLY

- 12 V DC
- 2 A
- 24 W

SPECIFICATIONS

PHYSICAL	
Operating Temperature	0 to 40°C
Operating Relative Humidity	5-85% (Non condensing)
Storage Temperature	-40 to 70°C
Dimensions (H x W x D)	236mm x 150mm x 62mm (excluding 'F' connector)
Weight	0.7Kg
Diagnostic LEDs (Front)	Power, US/DS, Online, 2.4 GHz, 5 GHz, Tel1, Tel2, WPS
Diagnostic LEDs (Rear)	Ethernet Link/Speed
Front Switches	WiFi On/Off, WPS

INTERFACES	
RF Interface	External 'F' type connector
Data Interfaces (bridged)	4 x 10/100/1000 Base-T Ethernet (RJ-45 connector)
Analog Telephony Interface	2 lines, RJ-11
USB Interface	USB 2.0 Powered Host Port
Input Voltage (nominal)	12V DC
Input Current (max)	2.5 Amps
TELEPHONY	
Supervisory Voltage	48 V DC nominal
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 24
Tuner Configuration	Full capture tuning range
Frequency Range	108-1002 MHz
Data Rate	> 960 Mbps
RF Input Sensitivity Level (dBmV)	-15 to +15 (DOCSIS)
RF UPSTREAM	
Bonded Channels	Up to 8
Frequency Range	5 to 42 or 5 to 85 MHz
Data Rate	Up to 240 Mbps max.
RF Output Level	+57 dBmV (64 QAM, single upstream) +54 dBmV (64QAM, 4-8 upstreams) +58 dBmV (16 QAM, single upstream) +56 dBmV (SCDMA, single upstream)
WIRELESS 2.4 GHZ	
Transmit Power (EIRP)	+21.5 dBm (802.11n MCS0, HT20) +21.5 dBm (802.11n MCS7, HT20)
Spatial Streams	3
Receive Levels	<-85dBm 802.11n (MCS0,HT20) <-68dBm 802.11n (MCS7, HT20)
Antennas	3 transmit and 3 receive
WIRELESS 5 GHZ	
Transmit Power (EIRP)	+23.5 dBm (802.11ac MCS0,VT20) +23.5 dBm (802.11ac MCS9,HT80)
Spatial Streams	4
Receive Levels	<-87dBm 802.11ac (MCS0,VT20) <-65dBm 802.11n (MCS7,HT40) <-54dBm 802.11ac (MCS9,VHT80)
Antennas	4 transmit, and 4 receive

Note:

WiFi Powers and channels may be limited by the country of operation.

ORDERING INFORMATION

MODEL	DESCRIPTION
1000448	TG2482A/NA,D3.0,802.11AC,DBC,1-USB/4-ENET, 100-240VAC,42MHZ
1000954	TG2482A/NA-85, 2 LINE WIRELESS EMTA, D3.0, 24X8,802.11AC,DBC,115-230VAC, 85MHZ
1000994	TG2482A/CE-85,D3.0,802.11AC,DBC,1-USB/4-ENET, 100-240VAC,85MHZ, CE CORD