

ARRIS TG2492S

DOCSIS 3.0 WIRELESS GATEWAY

FEATURES

- 24x8 Channel Bonding
- 1Gbps Downstream support with internal Spectrum Analyzer
- DOCSIS® and EuroDOCSIS® 3.0 compliant design
- Dual Mode Scanning Support
- Full Capture Bandwidth Tuner
- Multi Processor Technology with a 1.2GHz Intel Atom Core Application Processor
- 4 port Gigabit Ethernet Router
- 2x2 2.4GHz 802.11n Radio
- 3x3 5GHz 802.11ac High Power Radio
- USB 2.0 Host Port
- Advanced Firmware support for IPV6, DS-Lite, and SoftGRE
- Two FXS lines of carrier-grade VoIP with HD voice support



PRODUCT 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) in.	9.29 in. x 6.29 in. x 2.04 in. (excludes "F" connector)
Weight (lbs.)	1.54
Diagnostic LED's (Front)	Power, US/DS, Online, 2.4GHz, 5GHz, Tel1, Tel2, WPS
Diagnostic LED's (Rear)	Ethernet Link/Speed
Front Switches	WPS



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PRODUCT SPECIFICATIONS

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 (MHz)	108MHz-1002MHz
Data Rate (Mbps Max.)	> 1 Gbps
RF Input Sensitivity Level (dBmV)	-15 to +15 (DOCSIS)

RF UPSTREAM

Bonded Channels	Up to 8
Frequency Range (MHz)	5 to 42 or 5 to 85 MHz
Data Rate (Mbps Max.)	Up to 240
RF Output Level (dBmV)	+57 dBmV (64 QAM, single upstream) +54dBmV (64QAM, 4-8 upstreams) +58dBmV (16 QAM, single upstream) +56 dBmV (SCDMA, single upstream)



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PRODUCT SPECIFICATIONS

WIRELESS 2.4GHZ

Transmit Power (from any antenna)	+20dBm (802.11n MCS0, HT20) +15dBm (802.11n MCS7, HT20)
Spatial Streams	2
Receive Levels	<-85dBm 802.11n (MCS0,HT20) <-68dBm 802.11n (MCS7, HT20)
Antennas	2 transmit and 2 receive

WIRELESS 5GHZ

Transmit Power (from any antenna)	+21dBm (802.11ac MCS0,VT20) +18.5 dBm (802.11n MCS7,HT40)
Spatial Streams	3
Receive Levels	<-87dBm 802.11ac (MCS0,VT20) <-65dBm 802.11n (MCS7,HT40) <-54dBm (802.11ac, MCS9,VHT80)
Antennas	3 transmit, and 3 receive (per band)