





Applications

- Multi Dwelling Units
- Wi-Fi Networks
- IPTV
- AV, Crestron, Digital Signage

Highlights

- GigE+ over Single Pair, UTP, or Coax
- Dual Power Supply
- Fast Installation
- Significantly reduced install cost and downtime
- 2,000+ft reach over twisted pair
- 3,500+ft reach over coax
- Advanced Data Security Features
- Compatible with RF Video
- Extensive VLAN capabilities
- Flexible Direct, Ring or Daisy Chain WAN Architecture
- IGMP Snooping for filtering multicast traffic

Twisted Pair Headends

Model Number	Product	Description
GL-4xTH		Wave 2 G.hn Ethernet over Twisted Pair Hardened Headend (2 SFP+, 1 Gigabit Ethernet, 4 G.hn Copper ports)
GL-8xT		Wave 2 G.hn Ethernet over Twisted Pair Headend (2 SFP+, 3 Gigabit Ethernet, 8 RJ45 G.hn Ports)
GL-12xT		Wave 2 G.hn Ethernet over Twisted Pair Headend (2 SFP+, 2 Gigabit Ethernet, 12 RJ45 G.hn Ports)
GL-24xT		Wave 2 G.hn Ethernet over Twisted Pair Headend (2 SFP+, 2 Gigabit Ethernet, 24 RJ45 G.hn Ports)

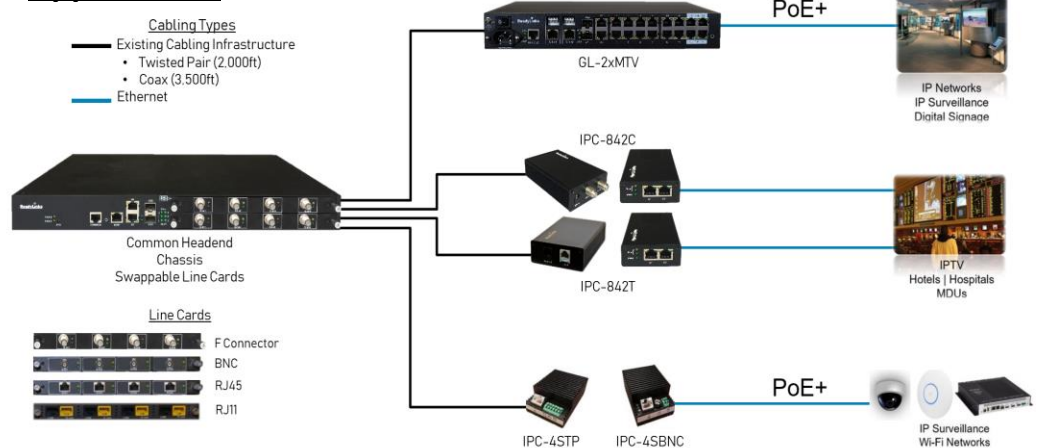
Coax Headends

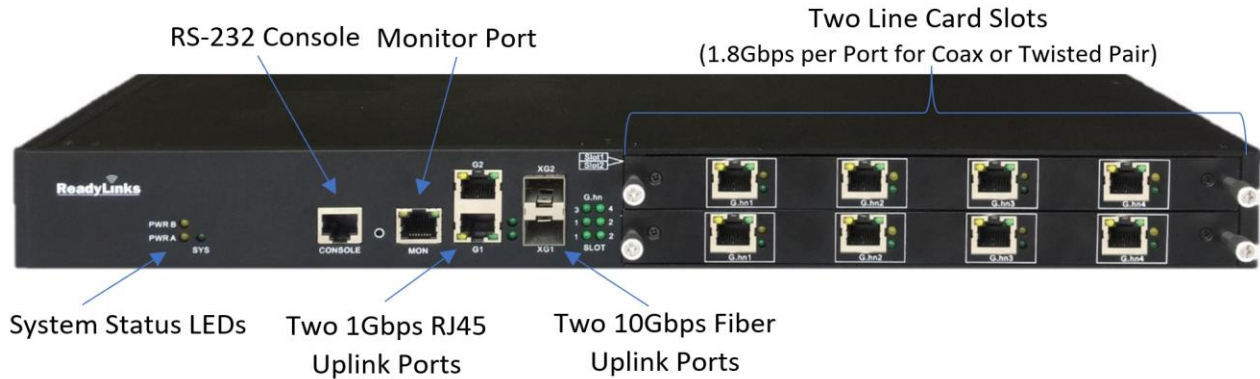
Model Number	Product	Description
GL-4xCH		Wave 2 G.hn Ethernet over Coax Hardened Headend (2 SFP+, 1 Gigabit Ethernet, 4 F Connector G.hn Ports)
GL-8xC		Wave 2 G.hn Ethernet over Coax Headend (2 SFP+, 3 Gigabit Ethernet, 8 F Connector G.hn Ports)

Key Benefits

- Maximize ROI by eliminating rewiring for significant installation savings
- Reduce risk and downtime to maximize ROI
- Same headend chassis for coax and twisted pair solution
- Swappable line cards for easy expansion and installation

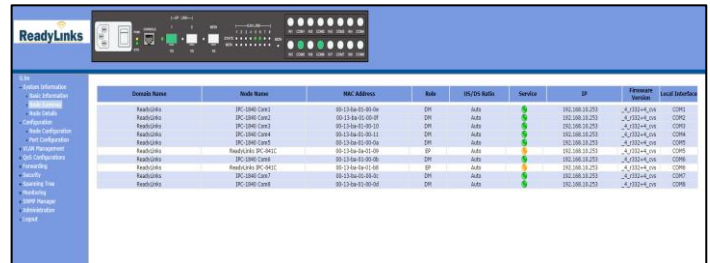
Applications





Rapid Provisioning and Management Options

- Easy Plug and Play Installation
- Remote management of attached clients reduces maintenance calls
- ReadyView NMS provides insight into the status of the network. Get alerts, prevent outages, monitor all services.



Specifications

Non-Hardened Operating Temperature, Storage Temperature	0 to 40° C, -10° C to 65° C
Hardened Operating Temperature, Storage Temperature	-20 to 60° C, -25° C to 80° C , IP67 Waterproof outdoor design
Input Voltage and Power Consumption	110-240 Volts AC (50-60 Hz) < 75 watts; Dual power supply
Certifications	UL, CE, CUL, FCC Part 15 Class B, EMC 89/336/EEC, ICES-003
Twisted Pair Coax	Minimum 2 conductors. Nano Skew, Belden, CAT1-5, CAT5E, CAT6, CAT7 ~40dB of attenuation in the frequency range 5-200Mhz
Ethernet Interface WAN/LAN Connectivity	Two (2) SFP sockets supporting 10G symmetrical fiber or copper Ethernet ring, daisy chain or direct connect.
Serial Interface	RS 232 console port
WAN Protocols	MSTP, RSTP
Standards Compliance	IEEE802.3, IEEE802.3u, IEEE802.x, IEEE802.1D, IEEE802.1Q VLAN ID, ITU-T G.9954
VLAN Tagging	Fully manage both client and master port VLAN tagging and trunking
Dimensions	12"(L) x 19"(W) x 1.75"(H)
Management	Fully Managed. GUI, SNMP, SSH, Console
Configuration	Automatic remote server configuration file
Data Rate Physical Layer	2,048 Mbps
Data Rate Effective	1,800 Mbps
Distance	2,000+ ft UTP (Minimum 2 conductors) 3,500+ ft Coax
Modulation Type	Fast Fourier Transform (FFT) Orthogonal Frequency-Division Multiplexing (OFDM) in 4-200Mhz offers 2Gbps bit rate over single medium.
Robustness	LDPC, FEC line condition adaptive
Twisted Pair Compatibility	CAT1 TO CAT5, CAT5E, CAT6 & CAT7 Nano-skew (1 pair = 1+ G. 4 pair > 4 G trunk feed) Belden 87723 paired – Audio, control and Instrumentation cable Crestron Crestnet