

HyperLink Wireless brand 2.4 GHz 802.11b/g/n Indoor WiFi Amplifier - 1 Watt Model: HA2401GXI-1000

Applications

- 2.4 GHz ISM Band Applications
- 802.11b/g/n WiFi Wireless LAN
- Public Wireless Hotspot

Features

- IEEE 802.11b/g/n compatible
- Active power control
- N-Female connectors
- 12 VDC power supply included



Description

HyperLink HA2401GXI-1000 amplifiers are compatible with 802.11b/g/n wireless LAN equipment. Hyperlink's Active Power Control circuit automatically adjusts the amplifier's gain to provide a constant output power regardless of cable length.

The HA2401GXI series improves range by delivering full transmit power directly at the antenna where it is most effective. In addition the unit's receive gain compensates for cable losses. The unit can be configured to deliver the full transmit power with as little as 1 mW of input power, permitting cable runs of several hundred feet with no degradation in operating range.

Streaming Media Ready

WiFi components used in a Streaming Video or Audio system work harder than ones carrying Data only. They are turned on for extended periods of time without the chance to cool off. Microwave devices are very sensitive to the heat generated from operating at high duty cycles. Most amplifiers, or for that matter many Radios, cannot pass Streaming Media content for extended periods of time without overheating. Some products were designed for Data only use and have no method of heatsinking. If you use them in a Streaming Media system, those products will self destruct or have their lifespan diminished. It would be the equivalent removing the Heatsink or Fans from your PC.

These "Streaming Media Ready" amplifiers were designed from the start to survive the extreme conditions that Streaming Media imposes on an amplifier. Using proprietary heatsinking techniques, Hyperlink's Streaming Media amplifiers will remain at safe operating temperatures for the most demanding Streaming Media applications, without the need for cumbersome heatsink plates, fins or fans.

Designed to be installed indoors or in weather-resistant enclosures such as L-com's NEMA enclosures, this amp features a rugged cast aluminum housing with integral mounting tabs. The staggered mounting feet allow multiple amplifiers to position next to each other with minimal wasted space.

The power supply included with the amplifier is rated at 100-240 VAC @ 50/60 Hz allowing it to be used in the US as well as in the EU when used with the optional PSX-EU2 Plug converter (US NEMA 6-15R Flat Blades to EU 4/4.8 mm round pins).

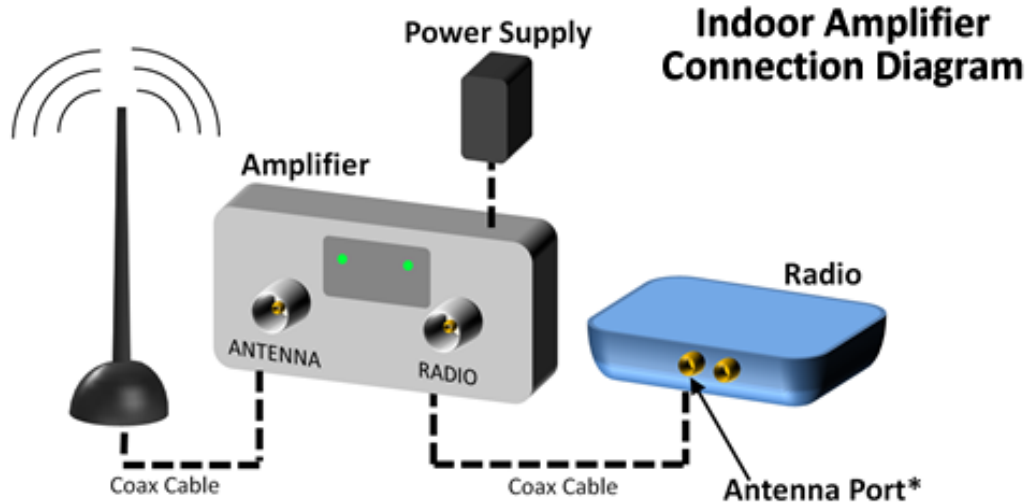
Note:

This Hyperlink bi-directional amplifier is designed for burst half-duplex operation. It is not intended for constant transmit or CW operation. Operation of the amplifier in CW mode will damage the amplifier and void the warranty.

Specifications

Transmit Power	1 Watt (30 dBm)
Receive Gain	15 dB nom.
Frequency	2400 – 2500 MHz
Max. Input Power	100 mW (20 dBm)
Operating Mode	Bi-directional, half-duplex Time Division Duplex. Senses RF carrier from transmitter and automatically switches from receive to transmit mode
Connectors	N-Female
Operating Temperature	-40°C to 50°C (-40°F to 122°F)
Dimensions	5.9 x 2.5 x 1.3 in (150 x 64 x 33 mm)
Weight	.95 lbs. (.44 Kg)
Current Draw	1.25A Peak Tx and 0.14A Peak Rx
Supply Voltage	12VDC -0.5V / +1V
RoHS Compliant	Yes

These amplifier products are available only for export, military, licensed amateur radio and OEM component sales and are not offered for general sale within the USA



***Note: On 802.11n radios, port must support both transmit and receive.**