

# NET Device

## 3142 G.hn ECB

### NETN20-3142 G.hn ECB

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NETN20-3142-G.hn is a G.hn (Gigabit Home Networking) compliant ECB (Ethernet to Coaxial Bridge) adapter provides high speed internet access as well as HDTV content transmission at current home RF cable network environment.

G.hn technology offers performances suited for transporting multimedia content compare to other wired network solutions with its advantages:

- \* Use existing coaxial cable environment
- \* Operates at lower frequency range, makes no interference with other technologies and mediums
- \* Complementary to wireless with the capability of in-home backbone extending wireless network

#### Features

- \* Meets G.hn standards
- \* Industry leading MAC and PHY rates
- \* Expanding operating frequency from 0MHz upto 500MHz
- \* Reliability with low error packet rate
- \* Low latency
- \* Plug-and-play installation, no setup required
- \* QoS for managed bandwidth
- \* Interoperates with HomePNA products



NET

\*Specifications are subject to change without notice\*

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## Specifications

## Technical Brief

Cable Interface	Cable Input	F-type, 75 ohm
	To STB (Loopthrough)	F-type, 75 ohm
Diplexer	Loopthrough path (BPF)	125~1002 MHz
	Insertion loss	2dB Max.
	Return loss	10dB Min.
	Stop band Rejection	40dB min.
	G.hn path (LPF)	3.5~97 MHz
	Insertion loss	2dB Max.
G.hn System	Return loss	10dB Min.
	Stop Band Rejection	40dB min.
	SPI NOR Flash	4 Mbytes
	System RAM	64Mbytes, DDR2
	Main chips	Marvell 88LX2718(AFE)+88LX3142(MAC BB)
	G.hn Band	0~100MHz
	Channel bandwidth	50/100 MHz
Ethernet Interface	Throughput (MAC Rate)	~700 Mbps with 30dB Att./100M BW
	Giga-Ethernet port	RJ-45 88E1510 Giga-PHY
User Interface	G.hn Link/Traffic Indicator	Green / Yellow / Red: G.hn Link Blinking: G.hn Traffic
	Ethernet Link/Traffic Indicator	Green: Link Blinking: Traffic
	Pairing indicator	Orange: Paired Blinking: Pairing period open
	Configuration key	Press > 2 sec: pairing Press > 10 sec: reset to default
Ext. power adaptor	Main input	100 – 240 VAC~, 50/60 Hz
	DC output	12V@1A
	Power Consumption	Operation: TBD Standby: TBD
Mechanical Housing	Dimensions	130x80x30 (mm), Plastic housing
Regulation/ Certification	CE Compliant ROHS Compliant	EMC / LVD

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