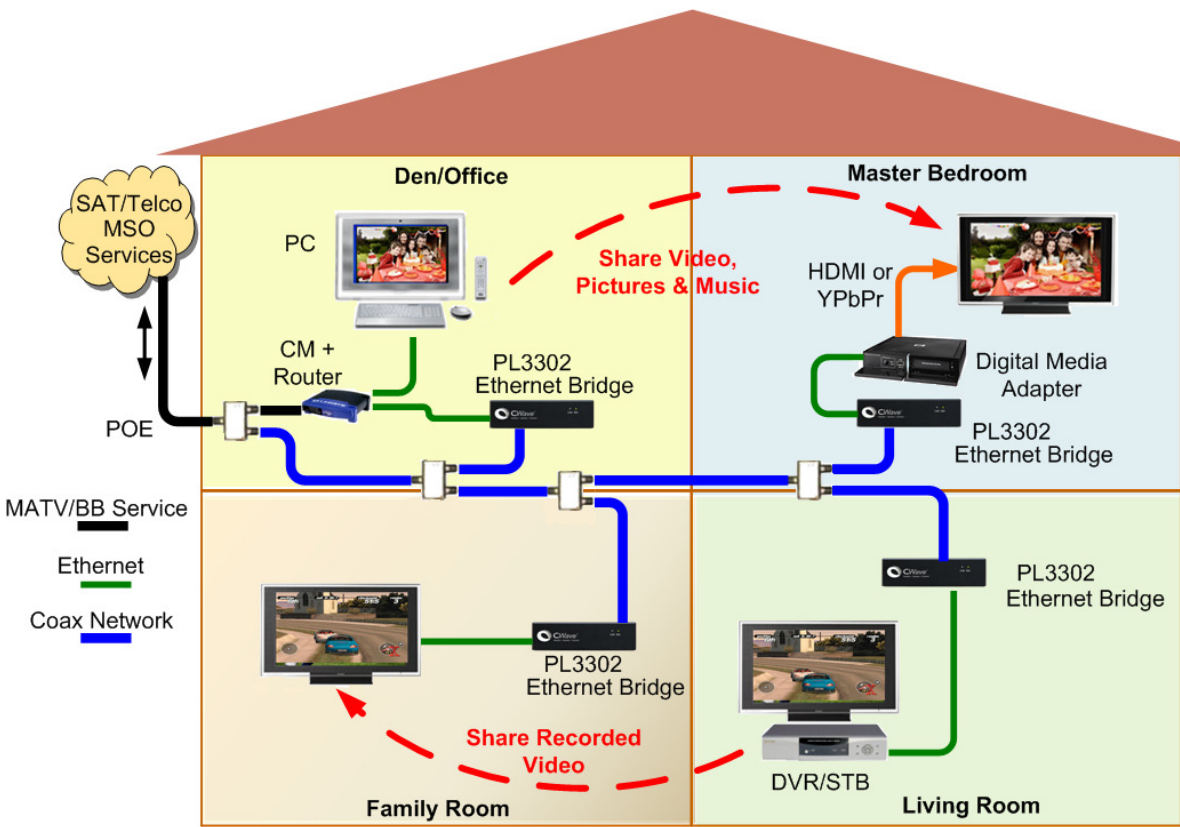


OVERVIEW

The CWave® Ethernet-Over-Coax Bridge RDK (PL3302-RDK), based on Pulse~LINK's CWave® PL3100 chipset, extends broadband access throughout the home onto an existing coax network (including splitters). It enables multimedia streaming among PCs, NAS devices and DLNA enabled HDTVs and AV Receivers on the very same network. More flexibility with higher performance (400Mbps) is the result without the need for additional structural wiring in the home. This small form factor RDK includes the production files to enable OEMs to get to market quickly.



APPLICATIONS

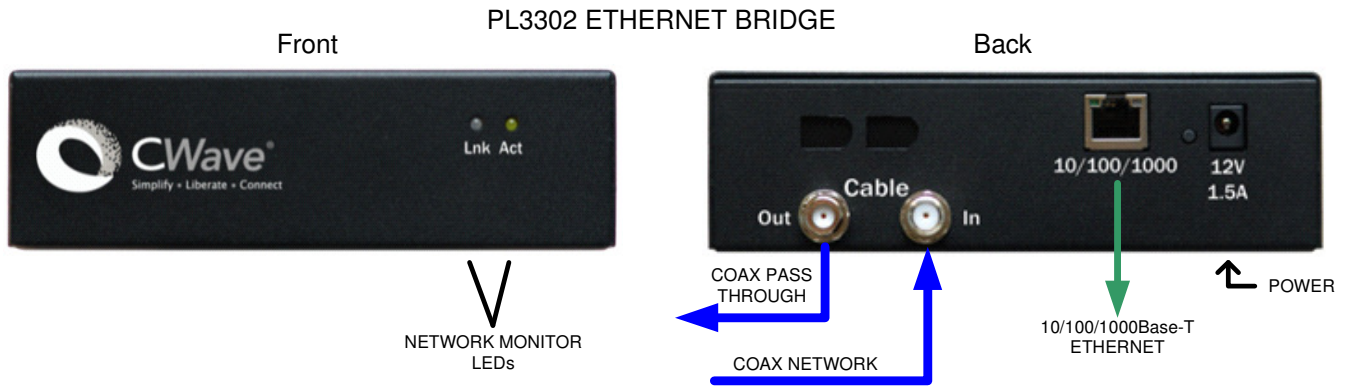
- **Distribute Broadband Access** over an Existing Coax Network
- **Remotely Access HD Movies, Music and Pictures** from a PC for display on any HDTV
- **Multi-room HDTV Connectivity**
- **Multi-room DVR**
- **Home Media Server Sharing** Throughout the Home
- **Room to Room Gaming**

KEY FEATURES

- Aggregate data rates >400Mbps
- No New Wires - works over existing coax cabling and splitters
- Co-exists with CATV/SAT services
- Supports point-to-multipoint topology
- Supports DLNA and UPnP compliant devices
- Support of up to 16 nodes on the network
- Plug and Play and IEEE802.15.3b compliance allows for easy Piconet setup
- Parameterized QoS guarantees Bandwidth and Minimum Latencies for Video, Voice, or Data applications



PL3302 Ethernet-Over-Coax RDK



REFERENCE DESIGN KIT CONTENTS

- One Ethernet Bridge Unit with Power Supply Module
- User's Manual
- PCB design files (schematic, layout and mechanical)
- Bill of Materials
- Firmware and PL3100 Drivers
- Production utilities and test procedures
- CWave® Chipset Datasheets

SPECIFICATIONS

UWB

- Scalable link rates up to 675 Mbps, providing over 400 Mbps total application throughput
- Greater than 80db Link budget
- 3.3 – 4.7GHz frequency range
- Based on IEEE 802.15.3b MAC with Parameterized QoS

Front Panel LEDs

- Active Link
- Link Activity

Dimensions

- 6 in. W x 1 3/4 in. H x 4 3/4 in. D

Ethernet Bridge Unit I/O

- Integrated 10/100/1000 Base-T Ethernet Network
- Two “F” Connectors – Coax Network – In / Out
- Input Power (12V DC)

Key Components

- Pulse~LINK PL3100 CWave® Chipset
- Freescale MPC8313E Processor

Power Supply

- External 12V DC

ORDERING INFORMATION

sales@pulselink.com 760.607.0844 www.pulselink.com 1969 Kellogg Avenue Carlsbad, California 92008 USA

PL3302-H-RDK	Ethernet-Over-Coax Bridge Unit
PL3302-D-RDK	Ethernet-Over-Coax RDK Design Files

About Pulse~LINK

Pulse~LINK, Inc. is a fabless semiconductor company offering CWave® Ultra Wideband (UWB) technology for both wireless and wired connectivity of multimedia devices. Pulse~LINK pioneered the commercialization of UWB technology and now holds more than 350 UWB patents.

