

# Ethernet Bridge Wall Plate



## Features & Benefits

- Adds Ethernet connectivity in any room
- Uses existing coaxial cable
- Enhances the home's Wi-Fi network with wired speeds and reliability
- 2 Ethernet ports with built-in switch
- Ethernet speeds – individual unit performance @ 1Gbps/port, RF backbone @ 3Gbps
- Co-exists with cable TV services
- Passes cable network frequencies to other CPE (customer premises equipment) with minimal loss
- Powered directly/locally or via coax cable



"BL" version of PEBC module

## Overview

Continuing the tradition of innovation of the Entry Series®, PPC introduces the Ethernet Bridge Series. The Ethernet Bridge provides coaxial cable network connectivity to broadband devices and CPE, such as modems, while connecting Ethernet to Ethernet-enabled devices, such as remote set-top boxes or wireless extension units. The Ethernet Bridge turns in-home RF coaxial cable into an Ethernet network enabling full wired Ethernet speeds to the most demanding devices.

To install the Ethernet Bridge, replace the current F81 wall plate located in the room with the Ethernet Bridge wall plate. Note: The install requires an Ethernet Bridge source unit and power inserter/splitter to create an Ethernet Link.

## Technical Data

Specification	Value		
Interfaces:	Left face	Two 10/100/1000 Base T 802.3ab Ethernet LAN One Direct Powering Port, 6 - 15VDC One Reset Button	
	Bottom	One F81 Coaxial Jack	PEBCM1W2P-xx 5 – 1002MHz
			PEBCM2W2P-xx 5 – 1218MHz
	Right face	Power LED (top), MoCA Link LED (middle), Ethernet activity LED (bottom)	
Back	One F81 Coaxial Jack (Remote power DC and 5 – 1675MHz)		
Dimensions:	Fits over a standard wall box (3 ¾" X 2 ½" X 2 ½")		
Typical Coverage:	Approximately 300 ft of RG6 cable between 2 Ethernet Bridges (path loss should be less than 56dB between wall plates @ 1125 – 1675MHz)		
Performance:	Backbone up to 3.0Gbps with 1Gbps @ each Ethernet port		
Frequency Band:	PEBCM1W2P-xx: Broadband 5 – 1002MHz Ethernet via Coax: 1125 – 1675MHz		
	PEBCM2W2P-xx: Broadband 5 – 1218MHz Ethernet via Coax: 1325 – 1675MHz		
Power Requirements:	2Watts, 6 to 15VDC, center conductor +		

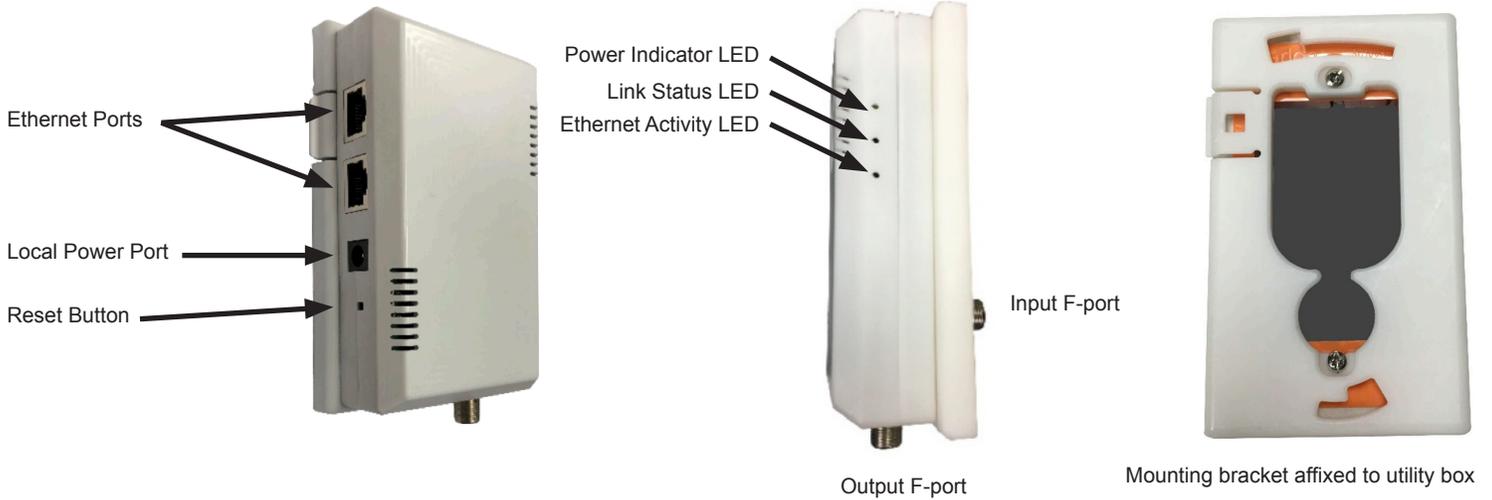
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## Technical Data

PEBC mounted on wall bracket



## Ordering Information

Part Number	Description
PEBCM1W2P-xx	Ethernet Bridge – Wall Plate 5 – 1002MHz, 15VDC Includes mounting bracket, Requires power source, xx=customer logo code (BL=blank)
PEBCM2W2P-xx	Ethernet Bridge – Wall Plate 5 – 1218MHz, 15VDC Includes mounting bracket, Requires power source, xx=customer logo code (BL=blank)
PEBCSURFMTB	Ethernet Bridge – Surface Mount Bracket Bracket allows the Ethernet Bridge to be mounted onto any surface. Installations may require a right angle connector PPC p/n: RAPLUS
PPC4PS73B1P	Entry Splitter/Power Inserter – 3-way splitter/power inserter 5 – 1675MHz, 15VDC Connects power supply to three wall plates, short circuit protected
PPC7PS76B1P	Entry Splitter/Power Inserter – 6-way splitter/power inserter 5 – 1675MHz, 15VDC Connects power supply to six wall plates, short circuit protected
PPC-PI	Entry Power Inserter – 1 connection, Remotely connects power supply to one wall plate
PPC-PS15450	Entry Coax Power Supply 6.75Watts, 120VAC 60Hz input Power supply, Provides 15VDC at 450mA max Powers up to three wall plates (contact PPC for other/local powering options)
PPC-PS151500	Entry Coax Power Supply 22.5Watts, 120VAC 60Hz input Power supply, Provides 15VDC at 1.5A max Powers up to 11 wall plates (contact PPC for other/local powering options)

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