



1 GbE / MoCA 2.5 Extender

ECB6250A



Product Datasheet

Overview

ECB6250A is designed to extend network connectivity at home using MoCA 2.5 technology. MoCA® technology makes your home network better. It extends Internet all over your house using your existing coax TV cable. Home network products with MoCA instantly turn your existing coax TV cable into a powerful, easy to use network for Internet access, Wi-Fi® and entertainment or just about anything you want!

The bonded MoCA channels can provide 2.5Gbps aggregate traffic throughput in your home. With MoCA enabled products, you can stream full HD/4K videos to your devices. You also can enjoy high speed online gaming, even VR games.

All the products are very easy to install, just connect the RF/Ethernet cables and power on, and place them in your desired location, using wall mounting or desktop mounting. You can complete all of these steps in just a few minutes.

Key Features

- MoCA 2.5, backwards compatible with MoCA 1.1 and MoCA 2.0
- Up to 5 channels bonded
- Up to 16 nodes in the same network
- Up to 2.5Gbps aggregate traffic throughput over MoCA
- 1 x MoCA Coax connector
- 1 x 1GE RJ45 LAN
- 1 x Reset button
- 1 x MPS button for Push-button pairing with other compatible devices
- 3 x Status LEDs (Power/ MoCA/ LAN)
- Wall mount or desk mount

Item	ECB6250A
Dimension (W x D x H)	132mm × 70mm × 30mm
Weight	100g
Installation	Wall mounting or desk mounting
LEDs	Power/ MoCA/ LAN
Interface	1 x MoCA Coax connector 1 x GbE RJ45 LAN 1 x Reset button 1 x MPS button
Input Voltage	+ 12V/ 0.5A
Power consumption	4.5 W
Environmental Specification	
Temperature	Operation: -5°C ~ +45°C Storage: -20°C ~ +85°C
Operating Humidity	5% ~ 95% (non-condensing)
Elevations	86kPa ~ 106kPa altitude
Dustproof and Waterproof	IP20
Safety	NRTL Listed 60950 (US & CA) CB with IEC/EN 60950-1 (Basic safety certificate for worldwide marketing) UL2043 (Plenum rating) CCC

	CE IEC60950-1
Reliability	
MTBF	> 300,000 Hours Telcordia SR-332, Reliability Prediction Procedures for Electronic Equipment, Issue 3, Method 1, Case 3, GB/GC (Ground Benign, Controlled) environment, 25°C ambient temperature. Steady state, not including software failure.
AFR	AFR (Annualized Failure Rate) < 1.5% (in continuous operation)
Chipset	
MoCA SoC	MaxLinear MxL3712
Flash	32M bit SPI flash
MoCA	
MoCA Standard	MoCA 2.5
Band	D-Band(1125~1675MHz)
Bonding	Bonded-channel supported
TX Power	D-Band: -1~+7dBm, typical +3dBm

Contact Information

Email: broadband-sales@actiontec.com

Phone: +1 [\(408\) 837-4800](tel:(408)837-4800)

Actiontec Electronics, Inc.

2445 Augustine Dr., Suite 501

Santa Clara, CA 95054

www.actiontec.com