

CS-MAXWELL-02

Tri-Band Maxwell Wireless Mesh Node Router

Product Overview

10-25-2022

For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

Crowd Supply Tri-Band Maxwell Wireless Mesh Node Router is a robust, open-source mesh Wi-Fi®. This Maxwell router offers multiple high-gain antennas and up to three simultaneous Multiple-Input Multiple-Output (MIMO) Wi-Fi bands. The Maxwell mesh node router supports gigabit ethernet backhaul and provides ease of use with automated mesh setup and dynamic route optimization. This tri-band router comes with a 5GHz backhaul channel, dual 800MHz+ CPU, 8+ external high-gain antennas, and 4Gb ethernet ports.



Features

- Automated mesh setup and dynamic route optimization
- 50Mb/s to 400Mb/s bandwidth (typical, real-world bandwidth) depending on the setup topology and client location relative to the hub
- Support for up to 17 mesh router nodes and 230 simultaneous clients
- Up to 30,000square feet of coverage, plus support for wired Gb ethernet backhaul and ethernet-connected client end points
- Deploy a mix of dual-band and tri-band nodes depending on where more bandwidth is needed, add guest networks easily, and take advantage of USB ports to accommodate on-network storage
- WPA2 (client) and WPA3-SAE (mesh) encryption, with seamless hand-off via 802.11r when moving clients between mesh nodes

Specifications

- AC 2200Mb/s to 3000Mb/s class MU-MIMO router
- Dedicated 5GHz backhaul channel
- Dual 800MHz+ CPU
- 128MB+ RAM and Flash
- 4Gb+ Ethernet ports
- 8+ external high-gain antennas

Mouser Part Number

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To learn more, visit <https://www.mouser.com/new/crowd-supply/crowd-supply-tri-band-router/>