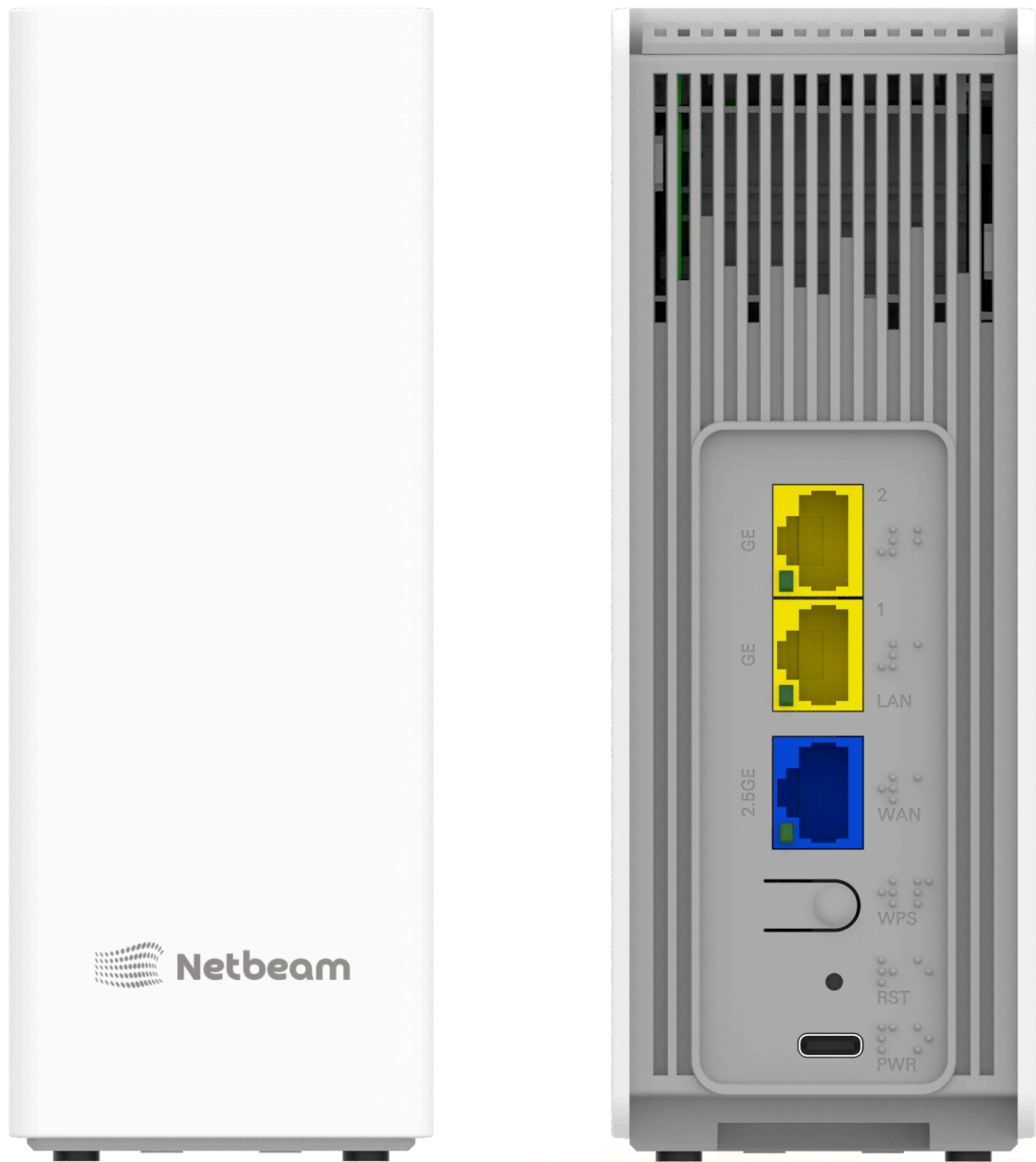


Eco7100 mini — Dual-band Wi-Fi 7 Router / Mesh Extender — Data Sheet

Overview

Eco7100 Mini brings Wi-Fi 7 to price-sensitive footprints with dual-band 2x2 radios, delivering up to ~3.57 Gbps aggregate. Run it as a compact router with 2.5G WAN + dual 1G LAN, or drop it in as an EasyMesh node to fill dead zones. Centralised management (TR-069/TR-369/MQTT), MLO, and a full policy/security toolkit keep operations streamlined.



Tech Specs

Key Chips

CPU	Broadcom BCM6764
Flash	128 MB
DDR	512 MB

Interface

WAN Ports	1 × 2.5 G Ethernet
LAN Ports	2 × 1 G Ethernet

Dual-band Wi-Fi 7

2.4 GHz	2 × 2 (up to 688 Mbps)
5 GHz	2 × 2 (up to 2882 Mbps)
Combined Speed	≈ 3570 Mbps
Auto Channel Selection	TBC
Security	WPA2 / WPA3

Wi-Fi Features

MLO (Multi-Link Operation) MU-MIMO / OFDMA / TWT Interference detection & channel optimisation

Operating Modes

Router	DHCP / PPPoE / Static / Bridge
EasyMesh Extender	wired / wireless

Management

Protocols	TR069, TR-369 and MQTT protocols
Setup Wizard	LAN & DHCP configuration Auto country-code detection
End User	Web GUI or iOS/Android App. Service Provider Vision remote, AI enabled, network management, Braille port descriptions

Eco7100 mini — Dual-band Wi-Fi 7 Router / Mesh Extender — Data Sheet

Overview

- One SKU, three roles: standalone router, mesh node for Eco7100 mini, or mesh extender for Eco7100 simplifies inventory.
- Wi-Fi 7 BE3600 (4096-QAM) for responsive, cost-optimised coverage in smaller homes, apartments and MDUs.
- Operator-grade management with TR-069/TR-369 (USP) and MQTT for low-touch turn-ups and fleet visibility.
- MLO + EasyMesh to stabilise links and extend footprint without rewiring (wired or wireless backhaul).
- Energy-savvy with wireless eco modes and intelligent sleep to curb idle power.
- Accessible labelling (Braille) to reduce install errors and support calls.

Tech Specs

Security & QoS

Firewall	Firewall with device isolation DDoS / ARP / DDNS-hijack protection Ad blocking / abnormal traffic & device auto-isolation
QoS	QoS rules by traffic
Parental Controls	Access Time Limits, Device/Profile Pause, Speed limit, URL Filtering
Guest & Home Network	Easy Password Sharing, pop-up page login, subnet isolation

System & Updates

Features	Guest portal with subnet isolation FOTA with power-loss recovery Packet capture / event logging / timed reboot LED brightness & timer control Intelligent sleep mode
----------	--

Coverage

Range	≈ 120 m² (typical indoor)
-------	---------------------------

LED Indicators

Status Indicators	1 × System LED (red / orange / green, with diffuser)Ethernet LED
-------------------	--

Power

Power Input	USB-C 12 V≐1 A (≈ 20 W)
Operating Temp	0°C – 50°C
Humidity	10 – 90 % (non-condensing)
Storage Temp	–30°C – 60°C

Physical

Dimensions	Height 163.5mm, Width 110mm, Depth 60mm
Weight	TBC

Packaging

Gift Box	Recycled packaging & cable ties, Eco7100 mini, USB-C PD PSU, ethernet cable, QR code for quick connect
----------	--