ARCDATA
CONNECTING YOUR BUSINESS FORWARD

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ARC DATA Wi-Fi 7 Mesh Node (BE3600)

One network, every room — a Wi-Fi 7 router and EasyMesh node in one compact unit

A dual-band Wi-Fi 7 router and mesh node with EasyMesh, 802.11k/v/r roaming, a 2.5GE WAN port and two GE LAN ports.





Wi-Fi 7
BE3600 DUAL BAND

EasyMesh
802.11K/V/R ROAMING

2.5GE WAN
PLUS 2 × GE LAN

WPA3
BEAMFORMING

OVERVIEW

The ARC-MESH-W7 is a dual-band Wi-Fi 7 router that also works as an EasyMesh node, extending an ARC DATA gateway's Wi-Fi across larger homes and offices. It delivers 688 Mbps at 2.4 GHz and 2882 Mbps at 5 GHz with Multi-Link Operation, 4096-QAM, OFDMA, Multi-RU and MU-MIMO in both directions, secured with WPA3. Nodes join over EasyMesh with 802.11k/v/r roaming, so the premises shares one SSID, centrally managed via the ARC VISION Cloud Platform.

FEATURES

Wi-Fi 7 BE3600
688 Mbps at 2.4 GHz + 2882 Mbps at 5 GHz with MLO, 4096-QAM, OFDMA, Multi-RU and Preamble Puncturing.

EasyMesh, Seamless Roaming
EasyMesh with IEEE 1905.1 and 802.11k/v/r — phones and laptops roam without dropping calls.

Router or Mesh Node
NAT, DHCP, QoS, firewall, VPN client and guest network — or a node on your mesh, centrally managed via the ARC VISION Cloud Platform.

Wired Ports
2.5GE WAN takes Ethernet backhaul or the uplink; two GE LAN ports patch in TVs, consoles and desks.

TECHNICAL SPECIFICATIONS

INTERFACES	
Ethernet	1 × 10/100/1000/2500 Mbps WAN + 2 × 10/100/1000 Mbps LAN (RJ45)
Buttons / LED	WPS/Wi-Fi, Reset; system LED (RGB)
Antennas	4 × internal, 2×2 MIMO per band, beamforming

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ARC HOST PTY LTD

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WIRELESS	
Standards	2.4 GHz: IEEE 802.11b/g/n/ax/be — 5 GHz: IEEE 802.11a/n/ac/ax/be
Rate	5 GHz 2882 Mbps + 2.4 GHz 688 Mbps — 3.6 Gbps combined (BE3600)
Radio	MLO, 4096-QAM, OFDMA, Multi-RU, Preamble Puncturing, MU-MIMO uplink and downlink
Coexistence	BSS Color, Target Wake Time
Security	WPA3, WPA3 Transition, WPA2, WPA2 Mixed; AES / AES-GCMP-256, PMF (802.11w)
MESH	
Protocol	EasyMesh, IEEE 1905.1 — same-family nodes
Roaming	IEEE 802.11k neighbour reports, 802.11v BSS transition, 802.11r fast roaming
Backhaul	2.5GE wired or over-the-air
ROUTER FEATURES	
WAN Types	Dynamic IP (DHCP), Static IP, PPPoE; IPv4 and IPv6
Network	DHCP server / client / reservation, NAT, UPnP, DDNS, routing, VLAN, NTP, QoS
Forwarding / VPN	Port forwarding, virtual server, port triggering, DMZ; PPTP and L2TP client
Security	IP filter, MAC filter, URL filter, Anti-DoS; FTP / RTSP / SIP / VPN ALGs
Wi-Fi / Mgmt	Guest network, WPS, repeater mode, access control; local web and TR-069, centrally managed via the ARC VISION Cloud Platform
PHYSICAL & POWER	
Processor	2.0 GHz dual-core
Dimensions	104 × 74 × 154 mm (W × D × H)
Power Adapter	DC 12V / 1A external AC-DC, AU plug
Package	1-pack: 1 node · 2-pack: 1 router + 1 mesh node · 3-pack: 1 router + 2 mesh nodes; one adapter per node, 1 Ethernet cable and guide
Environment	0 ~ 40 °C, 10 ~ 90% RH operating; -40 ~ 70 °C storage (non-condensing)

COMPLIANCE & ORDERING

- **IEEE 802.11be** (Wi-Fi 7), **EasyMesh**, **IEEE 802.11k/v/r**, **IEEE 1905.1**; **RCM** (AS/NZS CISPR 32 + AS/NZS 62368-1) and **RoHS**.

ARC-MESH-W7	1-Pack
ARC-MESH-W7-2PK	2-Pack
ARC-MESH-W7-3PK	3-Pack

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