ARCDATA
CONNECTING YOUR BUSINESS FORWARD

ABN 11 664 411 689
support@arcdata.com.au
www.arcdata.com.au

ARC DATA Wi-Fi 6 Mesh Node (AX3000)

One network, every room — a Wi-Fi 6 router and EasyMesh node in one compact unit

A dual-band Wi-Fi 6 router and mesh node with EasyMesh, 802.11k/v/r roaming, a Gigabit WAN port and two GE LAN ports.





Wi-Fi 6
AX3000 DUAL BAND

EasyMesh
802.11K/V/R ROAMING

1GE WAN
PLUS 2 × GE LAN

WPA3
5 INTERNAL ANTENNAS

OVERVIEW

The ARC-MESH-W6 is a dual-band Wi-Fi 6 router that also works as an EasyMesh node, extending an ARC DATA router's Wi-Fi across larger homes and offices. It delivers 574 Mbps at 2.4 GHz and 2402 Mbps at 5 GHz with OFDMA and MU-MIMO, secured with WPA3. Nodes join over EasyMesh with 802.11k/v/r roaming, so the premises shares one SSID.

FEATURES

Wi-Fi 6 AX3000
574 Mbps at 2.4 GHz + 2402 Mbps at 5 GHz with OFDMA and MU-MIMO.

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

Router or Mesh Node
DHCP, QoS, SPI firewall, port forwarding and VPN support (PPTP, L2TP, IPSec) — or a node on your mesh.

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

TECHNICAL SPECIFICATIONS

INTERFACES	
Ethernet	1 × 10/100/1000 Mbps WAN + 2 × 10/100/1000 Mbps LAN (RJ45)
Buttons	Mesh, Reset
Antennas	5 × 3 dBi internal
WIRELESS	
Standards	2.4 GHz: IEEE 802.11ax/n/g/b — 5 GHz: IEEE 802.11ax/ac/n/a
Rate	5 GHz 2402 Mbps + 2.4 GHz 574 Mbps (AX3000)

1300 100 440 (Australia)
+64 9 871 4845 (New Zealand)
+61 3 7067 3330 (International)

ARC HOST PTY LTD

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Radio	OFDMA, MU-MIMO
Security	WPA3, WPA3 Transition, WPA2, WPA2 Mixed, open / WEP
MESH	
Protocol	EasyMesh, IEEE 1905.1
Roaming	IEEE 802.11k/v/r
ROUTER FEATURES	
WAN Types	Dynamic IP (DHCP), Static IP, PPPoE; IPv4 and IPv6
Network	DHCP server and reservation, static route, UPnP, NTP, QoS (download / upload speed control)
Forwarding / VPN	Virtual server, port triggering, DMZ; PPTP, L2TP and IPSec
Security	URL filter, port filter, DoS protection, SPI firewall
Mgmt / Sharing	Access control, local and remote management; Samba file sharing
PHYSICAL & POWER	
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 802.11ax** (Wi-Fi 6), **EasyMesh**, **IEEE 802.11k/v/r**, **IEEE 1905.1**; **RCM** (AS/NZS CISPR 32 + AS/NZS 62368-1) and **RoHS**.

ARC-MESH-W6	1-Pack
ARC-MESH-W6-2PK	2-Pack
ARC-MESH-W6-3PK	3-Pack

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