MatrixPro 2
802.11ac Dual-band Outdoor AP/Bridge

2.4 GHz + 5 GHz   2.4 GHz + 5 GHz

2.4 GHz   5 GHz   5 GHz   2.4 GHz

MatrixPro 2   MatrixPro 2 EX

Model Information	MatrixPro 2	MatrixPro 2 EX
External Antenna Ports	2x 2.4 GHz + 5 GHz	2x 2.4 GHz 2x 5 GHz
LAN Port	1x Gigabit PoE 1x Gigabit LAN	1x Gigabit POE 1x Gigabit LAN
USB Port	◎	◎
Reset + LED	◎	◎

OFFICIALLY SUPPORTED
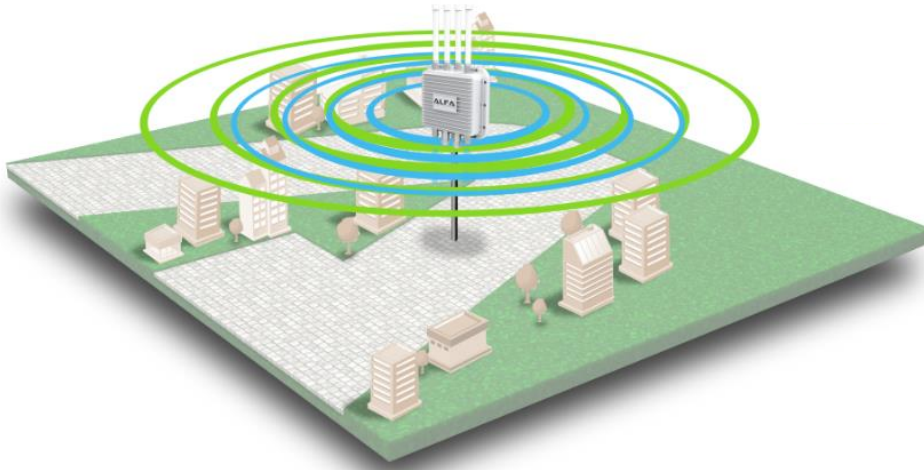
OpenWrt® WIRELESS FREEDOM

    The MatrixPro 2 series is the 802.11ac dual-band concurrent outdoor turnkey solution. It operating on 2.4 GHz and 5 GHz supporting MU-MIMO allowing to cover large area network and provide intelligent broadband services for users. With WDS point to point and WDS point to multi-point wireless bridge to save infrastructure investments.
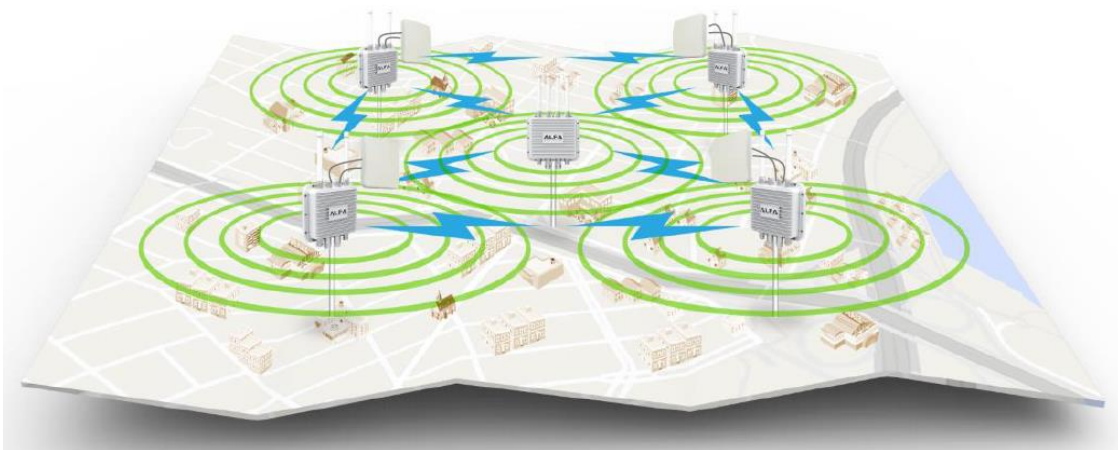
    The MatrixPro 2 series support Gigabit 802.3af PoE allow powered by PoE switch remotely and USB port for GPS/Web Camera/4G modem.

Contact us: sales@alfa.com.tw
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ALFA NETWORK

MatrixPro 2

☐ **AP Mode**   ■ **5 GHz**
              ■ **2.4 GHz**

☐ **WDS Point to Point Mode**   ■ **5 GHz**
☐ **WDS Point to Multi-Point Mode** ■ **2.4 GHz**

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MatrixPro 2

Hardware Specifications

Chipset	Qualcomm IPQ4018
Standard	IEEE802.11ac/a/n/g/b
Frequency	WiFi 2.4 GHz / 5 GHz
Data Rate	2.4 GHz: 400 Mbps 5 GHz: 867 Mbps
Flash	NOR 16 MB NAND 128 MB
RAM	DDR3 256 MB
Antenna Connector	N female
Interface	1x PoE Gigabit LAN 1x Gigabit LAN 1x USB Port 1x Reset + LED
Power Source	802.3af/at complaint PoE
Power Consumption	9 Watt @ full load
Waterproof Rate	IP66

RF Performance

		TX	RX
2.4 GHz	11b	24	-84
	11g	21	-73
	11n HT20	20	-72
	11n HT40	20	-69
5 GHz	11a	20	-70
	11an HT20	19	-69
	11an HT40	20	-66
	11ac VHT20	19	-64
	11ac VHT40	19	-62
	11ac VHT80	15	-56

Software Features

Wireless Mode	AP Bridge/WDS Bridge/Client Bridge
WANG	DHCP Client, Static IP
LAN	DHCP on/off
Security	WEP WPA PSK, WPA Enterprise WPA2 PSK, WPA2 Enterprise
Management	Telnet SSH SNMP v1, v2 System log

Wireless features	Up to 16 Multiple SSIDs Enable/Disable Wireless Radio Hide SSID Automatic Channel Assignment TX power control Bandwidth control Wireless isolation between Clients
Testing tool	Ping Traceroute nslookup

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