

Reveils

airPATH

*next-generation
mmWave broadband solutions*



***EXPERIENCE
AMAZING SPEED
WIRELESS***

mmWave Broadband Solutions



www.miliwave.net

Master Distributor in US and EMEA

www.revels.ai



airPATH 60 Long-Range

This product is a mmWave wireless bridge designed to create extra long-range wireless broadband connections with integrated PoE(Power over Ethernet) or PoC(Power over Coax) and heated radome for snow & ice resilience.



Model Part No.	Snow & Ice Resilient Heater	Non-Heater
G.hn Coax interface	MWC-922CH	MWC-922CN
Ethernet interface	MWC-922EH	MWC-922EN



15km link range



2.3Gbps duplex



Integrated 1.7Gbps G.hn Coax with PoC



12.5GbE port with PoE



5GHz 800Mbps backup radio



Heated Radome for Snow & Ice Resilience

Mechanical

Dimensions	Ø362 x 224mm
Weight	Without mount : 3.0kg With mount : +2kg
Enclosure materials	UV stabilized polycarbonate, Aluminum
Mount material	Galvanized steel
Mounting	Pole compatibility : Ø40 to 80mm(Ø1.5 to 3.15") on pipe outer diameter
Wind loading	99.99% [mph] : 0~120
Weatherproofing	IPX5
Snow & Ice Resilient	Integrated Heater

System

Max. throughput (@60GHz Radio)	4.6Gbps / 2.3Gbps(Duplex)
Max. range	Up to 15km
Encryption	WPA2-PSK(AES)

G.hn Wave2 Coax / PoC

Operating mode	PtMP(HE) or Home Networking
Max. throughput	1.7Gbps
Max. range	150m(500ft) w/o performance degradation(RG6)

Back-Up Link Radio

Operating frequency	5GHz WiFi(IEEE802.11ax). 2x2 MIMO
Max. throughput	800Mbps

Software

Operating mode	PtP / PtMP (Bridge/ Routing Mode)
Resilience & Recovery	Dual Boot, Failsafe, OTA Firmware Upgrade, Configurations Backup & Restore.
Network	VLAN, VLAN-bridge Filtering, NTP Client, QoS Classification & Prioritization, VPN, Firewall (iptables/nftables).
Management and Monitoring	Web UI, SSH CLI, SNMP, TR069 with REST APIs, JSON-RPC over HTTP.
Tools	60GHz Aiming Utility, Real-time Logging, Network Diagnostics Tools, Traffic Graphing.

60GHz Radio

Operating frequency*	57-71GHz(***Depends on regulatory region)
Channel bandwidth	2160, 1080MHz
Operating channels*	Channel 1 to Channel 6(*** Depends on regulatory region)
Max. EIRP	61dBm
Polarization	Horizontally linear (optional – vertically linear)

Ethernet / PoE

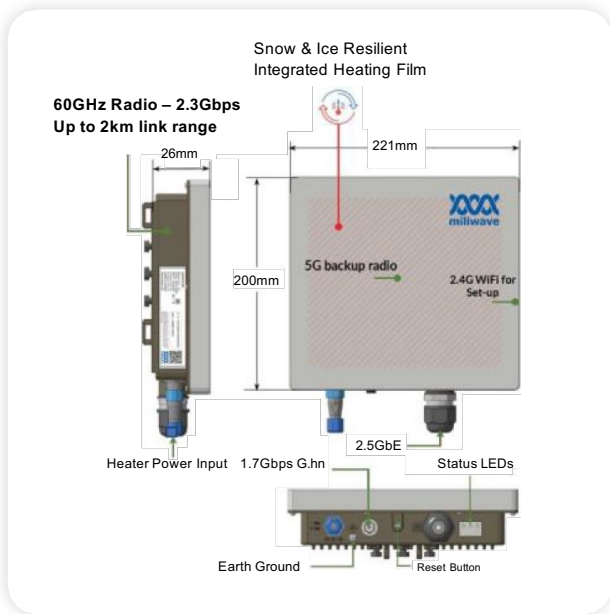
Max. throughput	2.5Gbps
Max. range	100m w/o performance degradation(Cat6)
PoE	IEEE802.3af/at

LEDs

Link / Power	Green : Ethernet & G,Hn Link / Power
Wireless	Blue: 60GHz link normal operation Flashing Blue: 5GHz link

airPATH 60 Pro

This product is a mmWave wireless bridge designed to create wide coverage wireless broadband connections with integrated PoE(Power over Ethernet) or PoC(Power over Coax) and heated radome for snow & Ice resilience.



Model Part No.	Snow & Ice Resilient Heater	Non-Heater
G.hn Coax interface	MWC-917CH	MWC-917CN
Ethernet interface	MWC-917EH	MWC-917EN



1km link range



2.3Gbps duplex



Integrated 1.7Gbps G.hn Coax with PoC



12.5GbE port with PoE



5GHz 800Mbps backup radio



Heated Radome for Snow & Ice Resilience

Mechanical

Dimensions	200x220x61mm
Weight	Without mount : 1.5kg With mount : +0.4kg
Enclosure materials	UV stabilized polycarbonate, Aluminum
Mount material	Galvanized steel
Mounting	Pole Mount : 10xM6 holes
Wind loading	99.99% [mph] : 0~120
Weatherproofing	IPX5
Snow & Ice Resilient	Integrated Heater

System

Max. throughput (@60GHz Radio)	4.6Gbps / 2.3Gbps(Duplex)
Max. range	Up to 1km
Encryption	WPA2-PSK(AES)

G.hn Wave2 Coax / PoC

Operating mode	PtMP(HE) or Home Networking
Max. throughput	1.7Gbps
Max. range	150m(500ft) w/o performance degradation(RG6)

Back-Up Link Radio

Operating frequency	5GHz WiFi(IEEE802.11ax). 2x2 MIMO
Max. throughput	800Mbps

Setup Radio

Operating frequency	2.4GHz WiFi(IEEE802.11ax)
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Software

Operating mode	PtP / PtMP (Bridge/ Routing Mode)
Resilience & Recovery	Dual Boot, Failsafe, OTA Firmware Upgrade, Configurations Backup & Restore.
Network	VLAN, VLAN-bridge Filtering, NTP Client, QoS Classification & Prioritization, VPN, Firewall (iptables/nftables).
Management and Monitoring	Web UI, SSH CLI, SNMP, TR069 with REST APIs, JSON-RPC over HTTP.
Tools	60GHz Aiming Utility, Real-time Logging, Network Diagnostics Tools, Traffic Graphing.

60GHz Radio

Operating frequency*	57-71GHz(**Depends on regulatory region)
Channel bandwidth	2160, 1080MHz
Operating channels*	Channel 1 to Channel 6(** Depends on regulatory region)
Max. EIRP	42dBm
Coverage Angle	Azimuth : +/-45, Elevation : +/-25

Ethernet / PoE

Max. throughput	2.5Gbps
Max. range	100m w/o performance degradation(Cat6)
PoE	IEEE802.3af/at

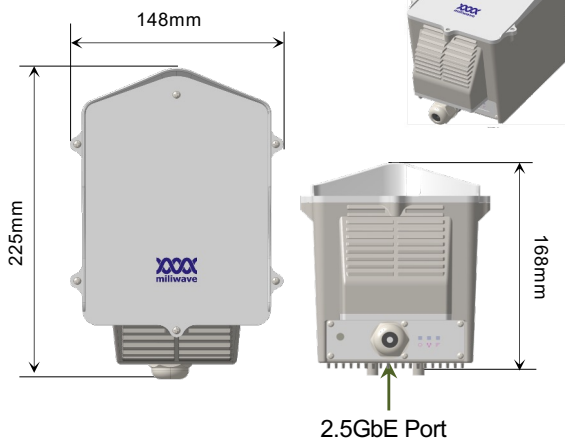
LEDs

Link / Power	Green : Ethernet & G,Hn Link / Power
Wireless	Blue: 60GHz link normal operation Flashing Blue: 5GHz link

airPATH 60 Compact III

This product is a mmWave wireless bridge designed to create middle-range wireless broadband connections with integrated PoE (Power over Ethernet) and active PoE out (PSE).

60GHz Radio – 2.3 Gbps Up to 5km link range



Model Part No.

Ethernet interface

MWC-932



5km link range



2.3Gbps duplex air link



2.5GbE port with PoE



5GHz back-up radio link

Mechanical

Dimensions	114x178x126mm
Weight	Without mount : 1.6kg With mount : +0.4kg
Enclosure materials	UV stabilized polycarbonate & Aluminum
Mount material	Galvanized steel
Mounting	Pole Mount: 4 x M6 hole

System

Max. throughput (@60GHz Radio)	4.6Gbps / 2.3Gbps(Duplex)
Max. range	Up to 5km
Encryption	WPA2-PSK(AES)

Ethernet / PoE

Max. throughput	2.5 Gbps duplex
Max. range	100m w/o performance degradation (Cat6)
PoE	IEEE802.3af/at

Back-Up Link Radio

Operating frequency	5GHz WiFi(IEEE802.11ax). 2x2 MIMO
Max. throughput	800Mbps

Setup Radio

Operating frequency	2.4GHz WiFi(IEEE802.11ax)
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Software

Operating mode	PtP / PtMP (Bridge/ Routing Mode)
Resilience & Recovery	Dual Boot, Failsafe, OTA Firmware Upgrade, Configurations Backup & Restore.
Network	VLAN, VLAN-bridge Filtering, NTP Client, QoS Classification & Prioritization, VPN, Firewall (iptables/nftables).
Management and Monitoring	Web UI, SSH CLI, SNMP, TR069 with REST APIs, JSON-RPC over HTTP.
Tools	60GHz Aiming Utility, Real-time Logging, Network Diagnostics Tools, Traffic Graphing.

60 GHz Radio

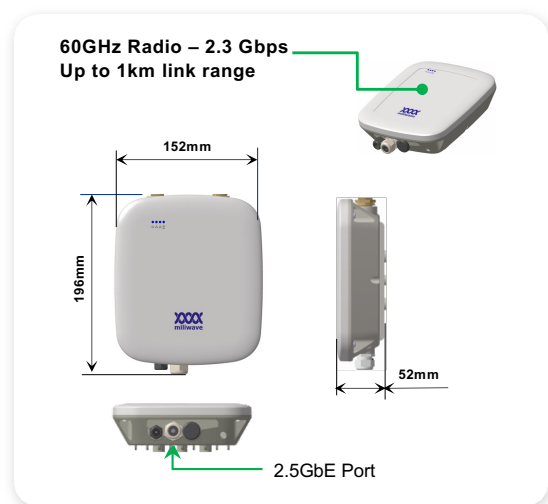
Operating frequency*	57-71GHz (***Depends on regulatory region)
Channel bandwidth	2160, 1080 MHz
Operating channels*	Channel 1 to Channel 6 (*** Depends on regulatory region)
Max. EIRP	50dBm
Beam steering	4° X4°

LEDs

Wireless	Blue: 60GHz link normal operation Flashing Blue: 5GHz link
Ethernet Link	Green : Ethernet Link
Power	Green : Power On

airPATH 60 Nano III

This product is a mmWave wireless bridge designed to create middle-range wireless broadband connections with integrated PoE (Power over Ethernet)



Model Part No.	Ethernet interface
Ethernet interface	MWC-903

- 1km link range
- 2.3Gbps duplex air link
- 2.5GbE port with PoE
- 5GHz Internal back-up radio link

Mechanical	
Dimensions	152x196x52mm
Weight	Without mount : 0.6kg With mount : +0.4kg
Enclosure materials	UV stabilized polycarbonate & Aluminum
Mount material	Galvanized steel
Mounting	8x M6 holes , 1x 1/4inch hole

System	
Max. throughput (@60GHz Radio)	4.6Gbps / 2.3Gbps(Duplex)
Max. range	Up to 1km
Encryption	WPA2-PSK(AES)

Ethernet / PoE	
Max. throughput	2.5 Gbps duplex
Max. range	100m w/o performance degradation (Cat6)
PoE	IEEE802.3af/at

Back-Up Link Radio	
Operating frequency	5GHz WiFi(IEEE802.11ax). 2x2 MIMO
Max. throughput	800Mbps

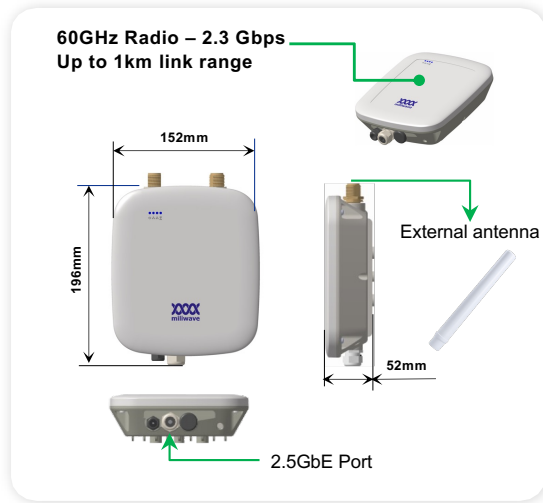
Software	
Operating mode	PtP / PtMP (Bridge/ Routing Mode)
Resilience & Recovery	Dual Boot, Failsafe, OTA Firmware Upgrade, Configurations Backup & Restore.
Network	VLAN, VLAN-bridge Filtering, NTP Client, QoS Classification & Prioritization, VPN, Firewall (iptables/nftables).
Management and Monitoring	Web UI, SSH CLI, SNMP, TR069 with REST API, JSON-RPC over HTTP.
Tools	60GHz Aiming Utility, Real-time Logging, Network Diagnostics Tools, Traffic Graphing.

60 GHz Radio	
Operating frequency*	57-71GHz (***Depends on regulatory region)
Channel bandwidth	2160, 1080MHz
Operating channels*	Channel 1 to Channel 6 (*** Depends on regulatory region)
Max. EIRP	+40dBm
Beam steering	Azimuth : +/- 45° , Elevation : +/- 25°

LEDs	
Wireless	Blue: 60GHz link normal operation Flashing Blue: 5GHz link
Ethernet Link	Green : Ethernet Link
Power	Green : Power On

airPATH 60 Nano IV

This product is a small size mmWave wireless bridge designed to create wireless broadband connections with integrated dual-band WiFi Access Point for CPE.



Model Part No.	Ethernet interface
Ethernet interface	MWC-904



1km link range



2.3Gbps duplex air link



2.5GbE port with PoE



5GHz external omni antenna for CPE

Mechanical

Dimensions	152x196x52mm
Weight	Without mount : 0.6kg With mount : +0.4kg
Enclosure materials	UV stabilized polycarbonate & Aluminum
Mount material	Galvanized steel
Mounting	8x M6 holes , 1x 1/4inch hole

System

Max. throughput (@60GHz Radio)	4.6Gbps / 2.3Gbps(Duplex)
Max. range	Up to 1km
Encryption	WPA2-PSK(AES)

Ethernet / PoE

Max. throughput	2.5 Gbps duplex
Max. range	100m w/o performance degradation (Cat6)
PoE	IEEE802.3af/at

5GHz Radio (CPE)

Operating frequency	5GHz WiFi(IEEE802.11ax). 2x2 MIMO
Max. throughput	800Mbps

Setup Radio

Operating frequency	2.4GHz WiFi(IEEE802.11ax)
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Software

Operating mode	PtP / PtMP (Bridge/ Routing Mode)
Resilience & Recovery	Dual Boot, Failsafe, OTA Firmware Upgrade, Configurations Backup & Restore.
Network	WiFi CPE Mode, WiFi Bridging, WiFi Gateway, Multiple WiFi SSIDs, WPA3 WiFi Security, VLAN, VLAN-bridge Filtering, NTP Client, QoS Classification & Prioritization, VPN, Firewall (iptables/nftables).
Management and Monitoring	Web UI, SSH CLI, SNMP, TR069 with REST APIs, JSON-RPC over HTTP.
Tools	60GHz Aiming Utility, Real-time Logging, Network Diagnostics Tools, Traffic Graphing.

60 GHz Radio

Operating frequency*	57-71GHz (***Depends on regulatory region)
Channel bandwidth	2160, 1080MHz
Operating channels*	Channel 1 to Channel 6 (*** Depends on regulatory region)
Max. EIRP	+40dBm
Beam steering	Azimuth : +/- 45° , Elevation : +/- 25°

LEDs

Wireless	Blue: 60GHz link normal operation Flashing Blue: 5GHz link
Ethernet Link	Green : Ethernet Link
Power	Green : Power On

Accessories Mount

L Shape Bracket

L-Shaped Pole Mount Bracket

The Miliwave L-shaped Pole Mount Bracket (MWC-SBRT & EBRT), based on U-bolt type bracket for pole installation, is suitable for non-dish type/ dish type wireless backhaul products.



MWC-SBRT for:

- airPATH Pro(MWC-917)
- airPATH Compact III(MWC-932)
- airPATH Nano III (MWC-903)
- airPATH Nano IV (MWC-904)



MWC-PABT for:

- airPATH Long-Range (MWC-922)
- Vertical installation

(Common) 1 set includes:

- 1*L-shaped bracket
- 2*U Bolt
- 2*Mount Plat
- 4*Nut
- 4*Flat Washer
- 4*Lock Washer

(Common) 1 set includes:

- 1*Bracket
- 2*Mount Plat
- 4*Bolt(M6*150)
- 4*Bolt(M6*14)

Technical Specifications	MWC-SBRT	MWC-PABT
Size	125x75x75(L-shaped)	226x155x140mm
Thickness	2.5mm	2.0mm
Type	U-bolt for Pole Install	Clamp for Pole Install
Pole Diameter	25mm to 53mm	25mm to 85mm
Material	Steel	Stainless Steel
Weight	0.34kg	2.44kg
Vertical Angle	60degree	40degree
Horizontal Angle	360degree	30degree



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