

Ubiquiti Networks Products Overview

AirMAX - Fixed Outdoor Wireless

AirFiber – Wireless Carrier Backhaul Solutions

UniFi – WiFi, Switching and Routing, Video Surveillance

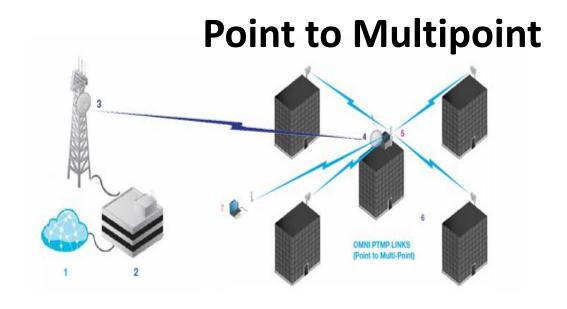
EdgeMax – Carrier Routing

mFi – Home Controls and Automation



AirMax Outdoor Wireless Solutions

Point to Multipoint, Point to Point, Wireless Clients





Point to Point - Bridging



Outdoor 2.4 GHz CPE With Antena (Wireless Radio + Antena)









2,4 Ghz	LocoM2 NSM2		AG-HP-2G16	AG-HP-2G20
Frequency	2,4 GHz 2,4 GHz		2,4 GHz	2,4 GHz
Gain	8 dBi	11 dBi	16 dBi	20 dBi
CPU	Atheros MIPS 24KC, 400MHz			
Memory	32MB SDRAM, 8 MB Flash			
Interface	(1) 10/100 Ethernet Ports	(2) 10/100 Ethernet Ports	(1) 10/100 Ethernet Ports	(1) 10/100 Ethernet Ports
Dimension	163x31x80	294x31x80	370x270x270	620x460x360
Power Supply (PoE)	included 24V, 0.5A PoE Adapter			
Max Power Consumption	5.5 W	8 W	3 W	3 W
Polarization	Dual Linear	Dual Linear	Single Polarity	Single Polarity
Enclosure	Outdoor UV Plastic	Outdoor UV Plastic	Metal + Outdoor UV Plastic	Metal + Outdoor UV Plastic
Mounting	Pole Mount Kit Included	Pole Mount Kit Included	Mount Included	Mount Included
Output Power	23 dBm	28 dBm	28 dBm	28 dBm
Beamwidth	60deg H-pol/ 60deg V-pol	55deg H-pol/ 53deg V-pol	narrow beamwidth	narrow beamwidth
Range	5+ km	13+ km	10+ km	20+ km
Applications	Point to Multipoint, Point to Point, Wireless Client			



Outdoor 5 GHz CPE With Antena (Wireless Radio + Antena)









5 Ghz	LocoM5	NSM5	AG-HP-5G23	AG-HP-5G27
Frequency	equency 5 GHz		5 GHz	5 GHz
Gain	13 dBi	16 dBi	23 dBi	27 dBi
CPU	Atheros MIPS 24KC, 400MHz			
Memory	32MB SDRAM, 8 MB Flash			
Interface	(1) 10/100 Ethernet Ports	(2) 10/100 Ethernet Ports	(1) 10/100 Ethernet Ports	(1) 10/100 Ethernet Ports
Dimension	163x31x80	294x31x80	370x270x260	620x460x360
Power Supply (PoE)	included 24V, 0.5A PoE Adapter			
Max Power Consumption	5.5 W	8 W	3 W	3 W
Polarization	Dual Linear	Dual Linear	Single Polarity	Single Polarity
Enclosure	Outdoor UV Plastic	Outdoor UV Plastic	Metal + Outdoor UV Plastic	Metal + Outdoor UV Plastic
Mounting	Pole Mount Kit Included	Pole Mount Kit Included	Mount Included	Mount Included
Output Power	23 dBm	27 dBm	25 dBm	25 dBm
Beamwidth	45deg H-pol/ 45deg V-pol	43deg H-pol/41deg V-pol	narrow beamwidth	narrow beamwidth
Range	10+ km	15+ km	25+ km	30+ km
Applications	Point to Multipoint, Point to Point, Wireless Client			



Outdoor 2.4 & 5 Ghz CPE Without Antena (Wireless Radio Only)











2,4 GHz	Bullet M2-HP	Bullet M2-Titanium	Bullet 2 HP	
Frequency	2,4 GHz 28dBm	2,4 GHz 28 dBm	2,4 GHz	
Throuput	100+ Mbps	100+ Mbps	100+ Mbps	Thr
CPU	Atheros MIPS 24KC, 400MHz	Atheros MIPS 24KC, 400 MHz	Atheros MIPS 4KC, 180MHz	CPU
Memory	32MB SDRAM, 8MB Flash	32 MB SDRAM, 8 MB Flash	16MB SDRAM, 4MB Flash	Me
Network Interface	(1) 10/100 Ethernet Port	(1) 10/100 Ethernet Port	(1) 10/100 Ethernet Port	Net
Dimension	152 x 37 x 31 mm	190 x 46 mm	152 x 31 x 37mm	
Antena Connector Type	Integrated N-type Male Jack	N-Type Connector (male)	Integrated N-type Male Jack	Ant
Power Supply	Not Included. Requires 24V Passive Power over Ethernet (pairs 4, 5+; 7, 8 return)*	24V, 0.5A PoE Adapter (included) Passive Power over Ethernet (pairs 4, 5+; 7, 8 return)	Not Included. Requires 24V Passive Power over Ethernet (pairs 4, 5+; 7, 8 return)*	
Max Power Consumption	7W	7W	8W	Pov
Housing	Outdoor UV Stabilized Plastic	Titanium Aluminum	Outdoor UV Stabilized Plastic	Ma Ho
Antena Compatibility	Any An	tenna with a Type N female con	nector	Ant
Applications	PtP, PtMP	PtP, PtMP	PtP, PtMP	Apı

5 GHz	Bullet M5 HP	Bullet M5-Titanium	
Frequency	5 GHz 25dBm	5 GHz 25dBm	
Throuput	100+ Mbps	100+ Mbps	
CPU	Atheros MIPS 24KC, 400MHz	Atheros MIPS 24KC, 400 MHz	
Memory	32MB SDRAM, 8MB Flash	32 MB SDRAM, 8 MB Flash	
Network Interface	(1) 10/100 Ethernet Port	(1) 10/100 Ethernet Port	
Dimension	152 x 37 x 31 mm	190 x 46 mm	
Antena Connector Type	Integrated N-type Male Jack	N-Type Connector (male)	
Power Supply	Not Included. Requires 24V Passive Power over Ethernet (pairs 4, 5+; 7, 8 return)*	24V, 0.5A PoE Adapter (included) Passive Power over Ethernet (pairs 4, 5+; 7, 8 return)	
Max Power Consumption	6W	6W	
Housing	Outdoor UV Stabilized Plastic	Titanium Aluminum	
Antena Compatibility	Any Antenna with a Ty	pe N female connector	
Applications	PtP, PtMP	PtP, PtMP	



2.4 GHz Outdoor Bridge (Wireless Radio + Antena)



2,4 Ghz	PBE-M2-400
Frequency	2,4 Ghz
Throughput	150+ Mbps
Range	20+ km
Gain	18 dBi
Dish Reflector	400 mm
CPU	Atheros MIPS 74Kc, 560 MHz
Memory	64 MB DDR2, 8 MB Flash
Networking Interface	(1) 10/100 Ethernet Port
Dimension	420 x 420 x 289 mm
Power Supply	24V, 0,5A PoE Adapter included Passive PoE (Pairs 4, 5+; 7, 8 Return)
Max Power Consumption	6 W
Wind Survivability	200 km/h
Polarization	Dual-Linear
Max. VSWR	1.5:1
Built-In Mechanical Downtilt	(+20° to -10°)
Enclosure	Outdoor UV Stabilized Plastic (radome shield PBE-RAD-400 not included)
Mounting	Pole-Mount Kit Included
Applications	PtP, PtMP, Wireless Client



5 GHz Outdoor Bridges (Wireless Radio + Antena)



















5 Ghz	NBE-M5-16	NBE-M5-19	NBE-5AC-19	PBE-M5-300	PBE-M5-400	PBE-M5-620	PBE-5AC-500	PBE-5AC-620	PBM5
Frequency	5 Ghz	5 Ghz	5 Ghz	5 Ghz	5 Ghz	5 Ghz	5 Ghz	5 Ghz	5 Ghz
Throughput	150+ Mbps	150+ Mbps	450+ Mbps	150+ Mbps	150+ Mbps	150+ Mbps	450+ Mbps	450+ Mbps	150+ Mbps
Range	10+ km	15+ km	15+ km	20+ km	25+ km	30+ km	25+ km	30+ km	20+ km
Gain	16 dBi	19 dBi	19 dBi	22 dBi	25 dBi	29 dBi	27 dBi	29 dBi	25 dBi
Dish Reflector	140 mm	190 mm	190 mm	300 mm	400 mm	620 mm	500 mm	620 mm	
СРИ	Atheros MIPS 74Kc, 560 MHz	Atheros MIPS 74Kc, 560 MHz	Atheros MIPS 74Kc, 720 MHz	Atheros MIPS 74Kc, 560 MHz	Atheros MIPS 74Kc, 560 MHz	Atheros MIPS 74Kc, 560 MHz	Atheros MIPS 74Kc, 720 MHz	Atheros MIPS 74Kc, 720 MHz	Atheros MIPS 24KC, 400MHz
Memory	64 MB DDR2, 8 MB Flash	64 MB DDR2, 8 MB Flash		64 MB DDR2, 8 MB Flash	64 MB DDR2, 8 MB Flash	64 MB DDR2, 8 MB Flash	128 MB DDR2, 8 MB Flash	128 MB DDR2, 8 MB Flash	64MB SDRAM, 8MB Flash
Networking Interface	(1) 10/100 Ethernet Port	(1) 10/100 Ethernet Port	(1) 10/100/1000 Ethernet Port	(1) 10/100 Ethernet Port	(1) 10/100/1000 Ethernet Port	(1) 10/100/1000 Ethernet Port	(1) 10/100/1000 Ethernet Port	(1) 10/100/1000 Ethernet Port	(1) 10/100 Ethernet Port
Dimension	140 x 140 x 54 mm	189 x 189 x 125 mm	189 x 189 x 125 mm	325 x 325 x 256 mm	420 x 420 x 275 mm	620 x 620 x 386 mm	525 x 525 x 315 mm	620 x 620 x 386 mm	445 x 416 x 34mm
Power Supply	24V, 0,5A PoE Adapter included Passive PoE (Pairs 4, 5+; 7, 8 Return)	24V, 0,5A PoE Adapter included Passive PoE (Pairs 4, 5+; 7, 8 Return)	24V, 0,5A Gigabit PoE Adapter included Passive PoE (Pairs 4, 5+; 7, 8 Return)	24V, 0,5A PoE Adapter included Passive PoE (Pairs 4, 5+; 7, 8 Return)	24V, 0,5A Gigabit PoE Adapter included Passive PoE (Pairs 4, 5+; 7, 8 Return)	24V, 0,5A Gigabit PoE Adapter included Passive PoE (Pairs 4, 5+; 7, 8 Return)	24V, 0,5A Gigabit PoE Adapter included Passive PoE (Pairs 4, 5+; 7, 8 Return)	24V, 0,5A Gigabit PoE Adapter included Passive PoE (Pairs 4, 5+; 7, 8 Return)	24V, 1A PoE Adapter included Passive PoE (Pairs 4, 5+; 7, 8 Return)
Max Power Consumption	6W	8W	8W	6W	8W	8.5W	8.5W	8.5W	8 W
Wind Survivability	200 km/h	200 km/h	200 km/h	200 km/h	200 km/h	200 km/h	200 km/h	200 km/h	
Polarization	Dual-Linear	Dual-Linear	Dual-Linear	Dual-Linear	Dual-Linear	Dual-Linear	Dual-Linear	Dual-Linear	Dual-Linear
Max. VSWR	1.5:1	1.5:1	1.5:1	1.5:1	1.5:1	1.6:1	1.5:1	1.5:1	1.1:1
Built-In Mechanical Downtilt	Ball joint for aiming	Ball joint for aiming	Ball joint for aiming	(+20°)	20° of uptilt & 10° of downtilt	15° of uptilt & 15° of downtilt	20° of uptilt & 10° of downtilt	20° of uptilt & 10° of downtilt	6° H-pol/ 6° V-pol
Enclosure	Outdoor UV Stabilized Plastic includes radome shield	Outdoor UV Stabilized Plastic includes radome shield	Outdoor UV Stabilized Plastic includes radome shield	Outdoor UV Stabilized Plastic	Outdoor UV Stabilized Plastic (radome shield PBE-RAD-400 not included)		Outdoor UV Stabilized Plastic	Outdoor UV Stabilized Plastic	Outdoor UV Stabilized Plastic
Mounting	Pole-Mount Kit (Included), Wall Mount Kit NBE-WMK sold separate	Pole-Mount Kit (Included), Wall Mount Kit NBE-WMK sold separate	Pole-Mount Kit (Included), Wall Mount Kit NBE-WMK sold separate	Pole-Mount Kit Included	Pole-Mount Kit Included	Pole-Mount Kit Included	Pole-Mount Kit Included	Pole-Mount Kit Included	Pole Mounting Kit included
Applications	PtP, PtMP, Wireless Client	PtP, PtMP, Wireless Client	PtP, PtMP, Wireless Client	PtP, PtMP, Wireless Client	PtP, PtMP, Wireless Client	PtP, PtMP, Wireless Client	PtP, PtMP, Wireless Client	PtP, PtMP, Wireless Client	PtP



2.4 GHz Basestation Wireless Radios











2,4 Ghz	PICOM2HP	Rocket M2	Rocket M2 TI	UAP-Outdoor+	Unifi UAP AC Outdoor
Frequency	2,4 GHz	2,4 GHz	2,4 GHz	2,4 GHz	2.4 GHz & 5 GHz
Throuput	100+ Mbps	150+ Mbps	150+ Mbps	300 Mbps	2,4 Ghz 450 Mbps 5 Ghz 1300 Mbps
Output Power	28 dBm	28 dBm	28 dBm	28 dBm	28 dBm
СРИ	Atheros MIPS 24KC, 400 MHz	Atheros MIPS 24KC, 400 MHz	Atheros MIPS 74Kc, 720 MHz	Atheros AR7240, 400Mhz AR9287 Wireless Chip	Broadcom BCM4360
Memory	32 MB SDRAM, 8 MB Flash	128 MB SDRAM, 8 MB Flash	128 MB SDRAM, 8 MB Flash	64 MB SDRAM, 8 MB Flash	128 MB DDR2 SDRAM, 16 MB FLASH
Network Interface	(1) 10/100 Ethernet Port	(1) 10/100 Ethernet	(1) 10/100/1000 Ethernet (1) 10/100 Ethernet	(2) 10/100 Ethernet Ports	(2) 10/100/1000 Ethernet Ports
Dimension	136x20x39mm	160 x 80 x 30 mm	160 x 80 x 44 mm	205 x 83 x 37 mm	340 x 180 x 65 mm
Enclosure	Outdoor UV Stabilized Plastic	Outdoor UV Stabilized Plastic	Die-Cast Aluminum	Outdoor UV Stabilized Plastic	Outdoor UV Stabilized Plastic
Mounting	Wall or Pole Mounting Kit (Included)	mounting kit included	mounting kit included	Wall and Pole Mount Kit included	Wall and Pole Mount Kit included
Antena Connector	External RP-SMA	(2) RP-SMA (Waterproof)	(2) RP-SMA (Waterproof)	(2) RP-SMA (Waterproof)	none
Antena	(1)External, 2dBi Omni Antenna (Included)	sold separate	sold separate	(2) External 5 dBi Omni Antennas Included	2,4 Ghz Integrated 5 dBi Omni (Supports 3x3 MIMO with Spatial Diversity), 5 Ghz Integrated 5 dBi Omni (Supports 3x3 MIMO with Spatial Diversity)
	Indoor Up to 200 m				
Range	Outdoor Up to 500 m	depends on external antena used	depends on external antena used	183 m	183 m
Max Power Consumption	8W	6.5W	6.5W	8 W	22 W
		24V, 1A PoE Adapter	48V, 0.5A PoE Adapter included Passive PoE (Pairs 4, 5+; 7, 8 Return)	48V, 0.5A POE Adapter (Included) Passive Power over Ethernet (48V),	48V, 0.5A PoE Gigabit Adapter (Included) Passive Power over
Power Supply	15V, 0.8A PoE Power Adapter (Included)	Passive PoE (Pairs 4, 5+; 7, 8 Return)	802.3af Compliant	802.3af Supported	Ethernet (48V), 802.3at Supported
Applications	Wireless AP or Wireless Client	PtP, PtMP (AP or Basestation)	PtP, PtMP (AP or Basestation)	PtP, PtMP (AP or Basestation)	PtP, PtMP (AP or Basestation)
		AM-V2G-Ti	AM-V2G-Ti	AM-V2G-Ti	
		AM-2G15-120 AM-2G16-90	AM-2G15-120 AM-2G16-90	AM-2G15-120 AM-2G16-90	
		RD-2G24	RD-2G24	RD-2G24	
		AMO-2G10	AMO-2G10	AMO-2G10	
Antena Compatibility	2dBi Omni Antenna Included	AMO-2G13	AMO-2G13	AMO-2G13	NA



5 Ghz

5 GHz Mimo Basestation Wireless Radios



Rocket M5



Rocket M5 TI



R5AC-Lite



R5AC-PTP



Unifi LIAP AC Outdoor

5 Ghz	Rocket M5	Rocket M5 TI	R5AC-Lite	R5AC-PTP	Uniti UAP AC Outdoor
Frequency	5 Ghz	5 Ghz	Full-Band 5 GHz (5150 - 5875 MHz)	Mid-Band 5 GHz (5470 - 5875 MHz)	2.4 GHz & 5 GHz
					2,4 Ghz 450 Mbps
Throuput	150+ Mbps	150+ Mbps	450+ Mbps	450+ Mbps	5 Ghz 1300 Mbps
Output Power	27 dBm	27 dBm	27 dBm	27 dBm	28 dBm
CPU	Atheros MIPS 74Kc, 720 MHz	Atheros MIPS 74Kc, 720 MHz	Atheros MIPS 74Kc, 720 MHz	Atheros MIPS 74Kc, 720 MHz	Broadcom BCM4360
Memory	128 MB SDRAM, 8 MB Flash	128 MB SDRAM, 8 MB Flash	128MB DDR2 SDRAM, 16MB NOR FLASH	128 MB DDR2 SDRAM, 16 MB NOR FLASH	128 MB DDR2 SDRAM, 16 MB FLASH
Network Interface	(1) 10/100 Ethernet	(1) 10/100/1000 Ethernet (1) 10/100 Ethernet	(1) 10/100/1000 Ethernet	(1) 10/100/1000 Ethernet	(2) 10/100/1000 Ethernet Ports
Dimension	160 x 80 x 30 mm	160 x 80 x 44 mm	162 x 84 x 37 mm	198.5 x 86.4 x 44.1 mm	340 x 180 x 65 mm
Enclosure	Outdoor UV Stabilized Plastic	Die-Cast Aluminum	Outdoor UV Stabilized Plastic	Outdoor UV Stabilized Plastic	Outdoor UV Stabilized Plastic
Mounting	mounting kit included	mounting kit included	mounting kit included	mounting kit included	Wall and Pole Mount Kit included
Antena Connector	(2) RP-SMA (Waterproof)	(2) RP-SMA (Waterproof)	(2) RP-SMA (Waterproof)	(2) RP-SMA (Waterproof)	none
Antena	sold separate	sold separate	sold separate	sold separate	2,4 Ghz Integrated 5 dBi Omni (Supports 3x3 MIMO with Spatial Diversity), 5 Ghz Integrated 5 dBi Omni (Supports 3x3 MIMO with Spatial Diversity)
Range	depends on external antena used	depends on external antena used	depends on external antena used	depends on external antena used	183 m
Max Power Consumption	8W	8W	8.5W	8.5W	22 W
Power Supply	24V, 1A PoE Adapter included Passive PoE (Pairs 4, 5+; 7, 8 Return)	48V, 0.5A PoE Adapter included Passive PoE (Pairs 4, 5+; 7, 8 Return) 802.3af Compliant	24V, 0,5A PoE Adapter included Passive PoE (Pairs 4, 5+; 7, 8 Return)	24V, 0,5A PoE Adapter included Passive PoE (Pairs 4, 5+; 7, 8 Return)	48V, 0.5A PoE Gigabit Adapter (Included) Passive Power over Ethernet (48V), 802.3at Supported
Applications	PtP, PtMP (AP or Basestation)	PtP, PtMP (AP or Basestation)	PtP, PtMP (AP or BaseStation)	Access Point, Station, PtP Only	PtP, PtMP (AP or Basestation)
	AM-V5G-Ti AM-M-V5G-Ti AM-5G16-120 AM-5G17-90 AM-5G19-120 AM-5G20-90 AM-5AC21-60 AM-5AC22-45 RD-5G31-AC RD-5G30 RD-5G34 AMO-5G10	AM-V5G-Ti AM-M-V5G-Ti AM-5G16-120 AM-5G17-90 AM-5G19-120 AM-5G20-90 AM-5AC21-60 AM-5AC22-45 RD-5G31-AC RD-5G30 RD-5G34 AMO-5G10	AM-5AC21-60 AM-5AC22-45 AM-V5G-Ti AM-M-V5G-Ti AM-5G16-120 AM-5G17-90 AM-5G19-120 AM-5G20-90 RD-5G31-AC RD-5G30-LW RD-5G30	RD-5G31-AC RD-5G30-LW RD-5G30	
Antena Compatibility	AMO-5G13	AMO-5G13	RD-5G34	RD-5G34	NA



Omni Antenas for Basestations (Antenna only, Radio not included)



2,4 GHz	AMO-2G10	AMO-2G13	
Frequency	2,4 GHz	2,4 GHz	
Gain	10 dBi	13 dBi	
Dimension	1030 X 122 X 84	1390 X 122 X 105	
Horizontal Beamwidth	360°	360°	
Vertical Beamwidth	12°	7°	
VSWR	1.7:1	1.7:1	
Polarization	Dual-Linear	Dual-Linear	
Connectors	2x RSMA female	2x RSMA female	
Compatible Radio	Rocket M2	Rocket M2	
Windloading	200 KM/H	200 KM/H	
	Universal Pole Mount, RocketM Bracket, and Weatherproof 2x RSMA male-RSMA male - 15cm cables	Universal Pole Mount, RocketM Bracket, and Weatherproof 2x RSMA male-RSMA male - 15cm cables	
Mounting	Included	Included	
Applications	Point to Multipoint	Point to Multipoint	



5 GHz	AMO-5G10	AMO-5G13
Frequency	5 GHz	5 GHz
Gain	10 dBi	13 dBi
Dimension	582 X 90 X 65	799 X 90 X 65
Horizontal Beamwidth	360°	360°
Vertical Beamwidth	12°	7°
VSWR	1.6:1	1.5:1
Polarization	Dual-Linear	Dual-Linear
Connectors	2x RSMA female	2x RSMA female
Compatible Radio	Rocket M5	Rocket M5
Windloading	200 KM/H	200 KM/H
	Universal Pole Mount, RocketM Bracket, and Weatherproof 2x RSMA male-RSMA male - 15cm cables	Universal Pole Mount, RocketM Bracket, and Weatherproof 2x RSMA male-RSMA male - 15cm cables
Mounting	Included	Included
Applications	Point to Multipoint	Point to Multipoint



Mimo Sector Antenas for Basestations (Antenna only, Radio not included)



	AM-2G15-120	AM-2G16-90	AM-V2G-Ti		
Frequency	2,4 GHz	2,4 GHz	2,4 GHz		
Gain	15 dBi	16 dBi	60°: 17 dBi 90°: 16 dBi 120°: 15 dBi		
Dimension	700x145x93	700x145x79	773x372x120		
HPOL Beamwidth	123°(6 dB)	91°(6 dB)	adjustable		
VPOL Beamwidth	118°(6 dB)	90°(6 dB)	adjustable		
VSWR	1.5:1	1.5:1	1.5:1		
Polarization	Dual Linear	Dual Linear	Dual Linear		
Connectors	2x RP-SMA	2x RP-SMA	2x RP-SMA		
Compatible Radio Windloading	RocketM2 200 km/h	RocketM2 200 km/h	RocketM2-TI RocketM2 200 km/h		
Enclosure	Outdoor UV Stabilized Plastic	Outdoor UV Stabilized Plastic	Advanced RF Isolation Titanium Metal		
Mounting Kit	Universal Pole Mount, Rocket Bracket, and Weatherproof RF Jumpers Included				















ΑN	Л-5G16-120	AM-5G17-90	AM-5G19-120	AM-5G20-90	AM-M-V5G-Ti	AM-V5G-Ti	AM-5AC21-60	AM-5AC22-45
	5 GHz	5 GHz	5 GHz	5 GHz	5 GHz	5 GHz	5 GHz	5 GHz
	4.C. JD:	47.40.	40 JD:	20 Jp:	60°: 17 dBi 90°: 16 dBi	60°: 21 dBi 90°: 20 dBi	24 40:	22 45:
	16 dBi	17 dBi	19 dBi	20 dBi	120°: 15 dBi	120°: 19 dBi	21 dBi	22 dBi
3	67x63x41	367x63x41	700x135x73	700x135x70	385x149x76	721x149,1x75,7	750x173x78	750x215x94
1	137°(6 dB)	72°(6 dB)	123°(6 dB)	91°(6 dB)	adjustable	adjustable	60° (6 dBi)	45° (6 dBi)
1	118°(6 dB)	93°(6 dB)	123°(6 dB)	85°(6 dB)	adjustable	adjustable	60° (6 dBi)	45° (6 dBi)
	1.5:1	1.5:1	1.5:1	1.5:1	1.7:1	1.5:1	1.5:1	1.5:1
D	ual Linear	Dual Linear	Dual Linear	Dual Linear	Dual Linear	Dual Linear	Dual Linear	Dual Linear
2	x RP-SMA	2x RP-SMA	2x RP-SMA	2x RP-SMA	2x RP-SMA	2x RP-SMA	2x RP-SMA	2x RP-SMA
	Rocket M5 cketM5 GPS	Rocket M5 RocketM5 GPS	Rocket M5 RocketM5 GPS	Rocket M5 RocketM5 GPS	RocketM5-TI Rocket M5 RocketM5 GPS	RocketM5-TI Rocket M5 RocketM5 GPS	R5AC-Lite R5AC-PTP R5AC-PTMP	R5AC-Lite R5AC-PTP R5AC-PTMP
2	200 km/h	200 km/h	200 km/h	200 km/h	200 km/h	200 km/h	200 km/h	200 km/h
	utdoor UV pilized Plastic	Outdoor UV Stabilized Plastic	Outdoor UV Stabilized Plastic	Outdoor UV Stabilized Plastic	advanced RF isolation titanium metal	advanced RF isolation titanium metal	Outdoor UV Stabilized Plastic	Outdoor UV Stabilized Plastic
		Unive	rsal Pole Mount, F	Rocket Bracket, an	nd Weatherproof	RF Jumpers Inclu	ded	



Directional Antenas for PtP Bridging (Antenna only, Radio not included)















2,4 GHz	RD-2G24	5 GHz	RD-5G30	RD-5G30-LW	RD-5G34	RD-5G31-AC	AF-5G23-S45	AF-5G30-S45	AF-5G34-S45
Frequency	2,4 Ghz		5 Ghz	5 Ghz	5 Ghz	5 Ghz	5 Ghz	5 Ghz	5 Ghz
Gain	24 dBi		30 dBi	30 dBi	34 dBi	31 dBi	23 dBi	30 dBi	34 dBi
	650 x 650 x 295		650 x 650 x 304	650 x 650 x 386	1050 x 1050 x 421	748 x 748 x 349			1050 x 1050
Dimension	mm		mm	mm	mm	mm	378 x 378 mm	650 x 650 mm	mm
HPOL Beamwidth	3.8° (RX Dish) 6.6° (TX Dish)		5° (3 dB)	5.8° (3 dB)	3° (3 dB)	5° (3 dB)			
VPOL Beamwidth	3.8° (RX Dish) 6.6° (TX Dish)		5° (6 dB)	5.8° (3 dB)	3° (6 dB)	5° (3 dB)			
F/B Ratio	50 dB (RX Dish) 65 dB (TX Dish)		(-34 dB)	(-30 dB)	(-42 dB)	(-34dB)			
VSWR	1.6:1		1.4:1	1.6:1	1.4:1	1.4:1			
Polarization	Dual-Linear		Dual-Linear	Dual-Linear	Dual-Linear	Dual-Linear	45° slant	45° slant	45° slant
Connectors	2x RSMA female		2x RSMA female	2x RSMA female	2x RSMA female	2x RSMA female	2x RSMA female	2x RSMA female	2x RSMA female
Windloading	200 km/h		200 km/h	200 km/h	200 km/h	200 km/h	200 km/h	200 km/h	200 km/h
Mount Kit	Universal Pole Mount, Rocket Bracket, and Weatherproof RF Connectors Included		Universal Pole Mount, Rocket Bracket, and Weatherproof RF Connectors Included	Universal Pole Mount, Rocket Bracket, and Weatherproof RF Connectors Included	Universal Pole Mount, Rocket Bracket, and Weatherproof RF Connectors Included	Universal Pole Mount, Rocket Bracket, and Weatherproof RF Connectors Included	Universal Pole Mount, AF-5X Bracket, and Weatherproof RF Connectors Included	Universal Pole Mount, AF-5X Bracket, and Weatherproof RF Connectors Included	Universal Pole Mount, AF-5X Bracket, and Weatherproof RF Connectors Included
Compatible Radios	Rocket M2 Rocket M2 TI		Rocket M5 Rocket M5 TI	Rocket M5 Rocket M5 TI	Rocket M5 Rocket M5 TI	R5AC Lite R5AC PTP R5AC PTMP	AF-5X	AF-5X	AF-5X



5 GHz Point to Point Carrier Backhaul Links







5 GHz	AF-5	AF-5U	AF-5X
Frequency	Mid-Band 5 GHz (5470 - 5950 MHz)	High-Band 5 GHz (5725 - 6200 MHz)	5 GHz
Throughput	1.2+ Gbps	1.2+ Gbps	500+ Mbps
Range	100+ km	100+ km	200+ km
Dimension	938.4 x 468.4 x 281.4 mm	938.4 x 468.4 x 281.4 mm	224 x 82 x 48 mm
Max Power Consumption	40 W	40 W	15 W
Power Supply	50V, 1.2A PoE GigE Adapter (Included) Passive Power over Ethernet	50V, 1.2A PoE GigE Adapter (Included) Passive Power over Ethernet	24V, 1A PoE Gigabit Adapter (Included) Passive Power over Ethernet
Mounting	Pole Mount Kit (Included)	Pole Mount Kit (Included)	airFiber X Mount (Rocket Mount Compatible) GPS Pole Mount (Included)
Wind Survivability	200 km/hr	200 km/hr	200 km/hr
Interface	Data Port (1) 10/100/1000 Ethernet Port Config Port (1) 10/100 Ethernet Port Aux Port (1) RJ-12, Alignment Tone Port	Data Port (1) 10/100/1000 Ethernet Port Config Port (1) 10/100 Ethernet Port Aux Port (1) RJ-12, Alignment Tone Port	Data Port (1) 10/100/1000 Ethernet Port Config Port (1) 10/100 Ethernet Port
Modulation Rates	Up to 1024QAM	Up to 1024QAM	Up to 256QAM
Radio Frame Synchronization	GPS Clock Synchronization	GPS Clock Synchronization	GPS Clock Synchronization
	Integrated Split Antenna	Integrated Split Antenna	 (2) RP-SMA Weatherproof connectors (antena must be bought seperate) (1) SMA Weatherproof (GPS) with external GPS antena
Antena	TX Gain 23 dBi RX Gain 23 dBi	TX Gain 23 dBi RX Gain 23 dBi	included
EIRP	(~50 dBm)	(~50 dBm)	
Beamwidth	6°	6°	
Front-to-Back Ratio	70 dB	70 dB	
Polarity	Dual-Slant Polarization	Dual-Slant Polarization	
			AF-5G23-S45 AF-5G30-S45 AF-5G34-S45 RD-5G30
Compatible Antenas	NA	NA	RD-5G34
Applications	PTP	PTP	PTP
		Requires 2 units for a single link.	



24 GHz Point to Point Carrier Backhaul Links





24 GHz	AF-24	AF-24HD	
Frequency	24 GHz (24.05 - 24.25 GHz)	24 GHz (24.05 - 24.25 GHz)	
Throughput	1.4+ Gbps	2 Gbps	
Range	13+ km	20+ km	
Dimension	649 x 426 x 303 mm	593 x 768 x 370 mm	
Max Power Consumption	50 W	50 W	
Power Supply Mounting	50V, 1.2A PoE GigE Adapter (Included) Passive Power over Ethernet Pole Mount Kit (Included)	50V, 1.2A PoE GigE Adapter (Included) Passive Power over Ethernet Pole Mount Kit (Included)	
Wind Survivability	200 km/hr	200 km/hr	
Interface	Data Port (1) 10/100/1000 Ethernet Port Config Port (1) 10/100 Ethernet Port Aux Port (1) RJ-12, Alignment Tone Port	Data Port (1) 10/100/1000 Ethernet Port Config Port (1) 10/100 Ethernet Port Aux Port (1) RJ-12, Alignment Tone Port	
Modulation Rates	Up to 64QAM	Up to 256QAM	
Radio Frame Synchronization	GPS Clock Synchronization	GPS Clock Synchronization	
Antena	Integrated Split Antenna TX Gain 33 dBi RX Gain 38 dBi	Integrated Split Antenna TX Gain 33 dBi RX Gain 40 dBi	
EIRP	~20 dBm (CE)	~20 dBm (CE)	
Beamwidth	< 3.5°	< 3.5°	
Front-to-Back Ratio	70 dB	70 dB	
Polarity	Dual-Slant Polarization	Dual-Slant Polarization	
Applications	PTP	PTP	
	Requires 2 units	for a single link.	



WISP Customer Access Point

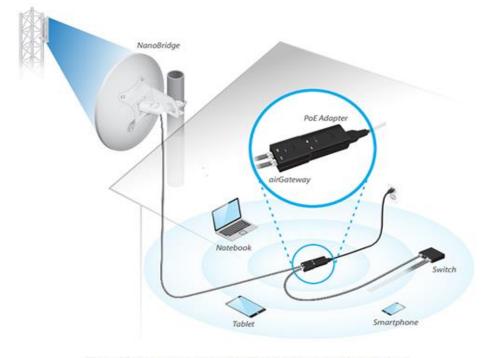
- Acts as an indoor wireless device connecting multiple wireless clients
 - Connects to a switch to support wired clients
 - Powers the airMAX CPE on the roof





WISP Customer Wifi	airGateway	airGateway-LR
Frequency	2.4 GHz 802.11b/g/n	2.4 GHz 802.11b/g/n
Maximum TX Power	18 dBm	18 dBm
Throughput	100+ Mbps	100+ Mbps
Range	50 m	100 m
Antenna	Internal 2.4 GHz Antenna	(1) External 5 dBi
Wireless Modes	Access Point, Station	Access Point, Station
ESD/Surge protection	yes 24kV RJ-45 Interface	yes 24kV RJ-45 Interface
Power Option	PoE Adapter, 15/18/24VDC (Not Included)	PoE Adapter, 15/18/24VDC (Not Included)
Maximum Power		·
Consumption	4 W	4 W
Processor	Atheros MIPS 24KC, 400 MHz	Atheros MIPS 24KC, 400 MHz
Memory	32 MB DDR1	32 MB DDR1
Dimension	54 x 44 x 30 mm	54 x 44 x 30 mm
Network Interface	(2) 10/100 Ethernet Ports	(2) 10/100 Ethernet Ports
Software	includes AirOS management software	includes AirOS management software

Typical airGateway Application



The airGateway is deployed indoors to connect client devices.



Unifi Indoor Wireless PoE APs









	UAP	UAP-LR	UAP-Pro	UAP-AC
Frequency	2,4 GHz	2,4 GHz	Simultaneous Dual Band 2.4 GHz, 5 GHz	Simultaneous Dual Band 2.4 GHz, 5 GHz
Max TX Power	20 dBm	27 dBm	2.4 GHz 30 dBm 5 GHz 22 dBm	2.4 GHz 28 dBm 5 GHz 28 dBm
Throughput	300 Mbps	300 Mbps	2.4 GHz 450 Mbps 5 GHz 300 Mbps	2.4 GHz 450 Mbps 5 GHz 1300 Mbps
Range	122 m	183 m	122 m	122 m
Wif-Fi Standards	802.11 b/g/n	802.11 b/g/n	802.11 a/b/g/n	802.11 a/b/g/n/ac
Networking Interface	(1) 10/100 Ethernet Port	(1) 10/100 Ethernet Port	(2) 10/100/1000 Ethernet Ports	(2) 10/100/1000 Ethernet Ports
Antenas	Integrated 3 dBi Omni (Supports 2x2 MIMO with Spatial Diversity)	Integrated 3 dBi Omni (Supports 2x2 MIMO with Spatial Diversity)	2.4 GHz Integrated 5 dBi Omni (Supports 3x3 MIMO with Spatial Diversity)5 GHz Integrated 4 dBi Omni (Supports 3x3 MIMO with Spatial Diversity)	2.4 GHz Integrated 5 dBi Omni (Supports 3x3 MIMO with Spatial Diversity)5 GHz Integrated 5 dBi Omni (Supports 3x3 MIMO with Spatial Diversity)
Power Supply	24V, 0.5A PoE Adapter Included Passive Power over Ethernet (12-24V) * not compatible with 48V 802.3af/at switches	24V, 0.5A PoE Adapter Included Passive Power over Ethernet (12-24V) * not compatible with 48V 802.3af/at switches	48V, 0.5A PoE Gigabit Adapter Included Passive Power over Ethernet (48V), 802.3af Supported	48V, 0.5A PoE Gigabit Adapter Included Passive Power over Ethernet (48V), High Power 802.3at Supported
Maximum Power Consumption	4 W	6 W	12 W	22 W
Dimension	200 x 200 x 36.5 mm	200 x 200 x 36.5 mm	200 x 200 x 36.5 mm	200 x 204 x 27 mm
Mounting	Wall/Ceiling (Kits Included)	Wall/Ceiling (Kits Included)	Wall/Ceiling (Kits Included)	Wall/Ceiling (Kits Included)
Software	Unifi Controller Software with Scalable Enterprise Wi-Fi Management Included	Unifi Controller Software with Scalable Enterprise Wi-Fi Management Included		Unifi Controller Software with Scalable Enterprise Wi-Fi Management Included



Indoor 802.11n SOHO Wireless Routers Work as a Router or can Function as an AP





	AirRouter	AirRouter-LR
Frequency Band	2.4 GHz 802.11b/g/n	2.4 GHz 802.11b/g/n
Wireless Speed	Up to 150 Mbps	Up to 150 Mbps
Wireless Range	Up to 100+ m	Up to 200+ m
Output Power	19 dBm	28 dBm
Antenna	Integrated	External High Gain
Dimension	162 x 132 x 30 mm	162 x 132 x 30 mm
Ports	(5) 10/100 Ethernet Ports 1 USB Port 1 Power Port	(5) 10/100 Ethernet Ports 1 USB Port 1 RP-SMA Antenna Port
Software	airOS	airOS
Power Supply	5V, 2A Adapter (Included)	5V, 2A PoE Adapter (Included)
Software	includes AirOS management software	includes AirOS management software



Switching And Routing (EdgeRouters support 1 million+ packets per second)









Edge Routers	ERLite-3	ERPoe-5	ER-8	ERPro-8
Performance	1 million packets per second for 64-byte packets	1 million packets per second for 64- byte packets	2 million packets per second for 64- byte packets 8 Gbps for packets 512 bytes or larger in size	2 million+ packets per second for 64- byte packets 8 Gbps for packets 512 bytes or larger in size
Networking Interface	(3) 10/100/1000 Ethernet Ports (1) RJ45 Serial Console Port	(5) 10/100/1000 Routing Ports(3) ports configurable for switching all (5) are configurable for PoE	(8) 10/100/1000 Ethernet Ports (1) RJ45 Serial Console Port	(8) 10/100/1000 Ethernet Ports with 2 shared SFP slots (shared w/Ports 7,8) (1) RJ45 Serial Console Port
РоЕ	NA	Supports 24V or 48V* PoE 48V available when using 48VDC Power Adapter (not included). 24V Power adapter included. Max. PoE Wattage Output Combined for All 5 Data Ports 50W	NA	NA
Dimension	200 x 90 x 30 mm	200 x 90 x 30 mm	484 x 164 x 44 mm	484 x 164 x 44 mm
Max. Power Consumption	7 W	60 W	35 W	35 W
Power	12VDC, 1A Power Adapter (Included)	24VDC, 2.5A Power Adapter (Included)	Internal AC/DC Power Adapter, 60 W (24V, 2.5A), Schuko Power cable included	Internal AC/DC Power Adapter, 60 W (24V, 2.5A), Schuko Power cable included
Processor	Dual-Core 500 MHz, MIPS64	Dual-Core 500 MHz, MIPS64	Dual-Core 800 MHz, MIPS64	Dual-Core 800 MHz, MIPS64
System Memory	512 MB DDR2 RAM	512 MB DDR2 RAM	2 GB DDR3 RAM	2 GB DDR3 RAM
On-Board Flash Storage	2 GB	2 GB	4 GB	4 GB
Management	EdgeOS web interface for routing, , switching, security, and management	EdgeOS web interface for routing, , switching, security, and management	EdgeOS web interface for routing, , switching, security, and management	EdgeOS web interface for routing, , switching, security, and management
Mounting	Wall Mountable	Wall Mountable	Rack Mount	Rack Mount



Tough Switch PoE Advanced Power Over Ethernet Switches







Tough Switch POE	TS-5-POE	TS-8-PRO	TS-16-CARRIER
Ports	(5) 10/100/1000 Ethernet Ports (1) 10/100 Ethernet Management Port	(8) 10/100/1000 Ethernet Ports (1) 10/100 Ethernet Management Port	(2) 8-Port TOUGHSwitch PoE PROs in 19" 1U rackmount case (16) 10/100/1000 Ethernet Ports (2) 10/100 Ethernet Management Ports
РоЕ	24V Passive PoE	24V/48V Passive PoE (power selectable in web interface)	24V/48V Passive PoE (power selectable in web interface)
Dimension	197 x 87.5 x 27.3 mm	210 x 185 x 41 mm	480 x 44.5 x 186 mm
Power Input	24VDC, 2.5A Power Adapter (Included)	210-230VAC, schuko power cord included	(2) 210-230VAC, schuko power cords included
Max. PoE Power Output	60 W	150 W	300 W
PoE Out Voltage Range	22-24VDC	45-48VDC / 22-24VDC	45-48VDC / 22-24VDC
Max. PoE Wattage Per Data Port	11.5 W	11.5 W (24 V), 23 W (48V)	11.5 W (24 V), 23 W (48V)
Processor	MIPS 24K, 400 MHz	MIPS 24K, 400 MHz	MIPS 24K, 400 MHz
System Memory	64 MB	64 MB	64 MB
Management	Toughswitch Layer2 Management Web Interface	Interface	Toughswitch Layer2 Management Web Interface
Mounting	Wall Mountable	Desktop Full Metal/Rubber Casing	1U 19" Rackmount Kit Included



EdgeSwitches Managed POE+ Gigabit Switches with SFP

(EdgeMax Software Management Interface)









EdgeMax Switches	ES-24-250W	ES-24-500W	ES-48-500W	ES-48-750W
Network Interface	(24) 10/100/1000 Mbps RJ45 Ethernet Ports (2) 1 Gbps SFP Ethernet Slots (24) RJ45 Ports are configurable for PoE	(24) 10/100/1000 Mbps RJ45 Ethernet Ports (2) 1 Gbps SFP Ethernet Slots (24) RJ45 Ports are configurable for PoE		(48) 10/100/1000 Mbps RJ45 Ethernet Ports (2) 10 Gbps SFP+ Ethernet Ports (2) 1 Gbps SFP Ethernet Ports (48) RJ45 Ports are configurable for PoE
Total Non-Blocking Throughput	26 Gbps	26 Gbps	70 Gbps	70 Gbps
Switching capacity:	52 Gbps	52 Gbps	140 Gbps	140 Gbps
Forwarding rate:	38.69 Mpps	38.69 Mpps	104.16 Mpps	104.16 Mpps
Max. PoE Power Output	250W	500W	500W	750W
Dimension	485.04 x 44.45 x 285.6 mm	485.04 x 44.45 x 285.6 mm	485.04 x 44.45 x 347.6 mm	485.04 x 44.45 x 347.6 mm
Power Input	AC/DC, Internal, 250W DC, schuko power cord included	AC/DC, Internal, 500W DC, schuko power cord included	AC/DC, Internal, 500W DC, schuko power cord included	AC/DC, Internal, 750W DC, schuko power cord included
	POE+ IEEE 802.3af/at (Pins 1, 2+; 3, 6-) 24VDC Passive PoE (Pins 4, 5+; 7, 8-) auto detects 802.3af or at or user selectable for 24V	POE+ IEEE 802.3af/at (Pins 1, 2+; 3, 6-) 24VDC Passive PoE (Pins 4, 5+; 7, 8-) auto detects 802.3af or at or user selectable for 24V		POE+ IEEE 802.3af/at (Pins 1, 2+; 3, 6-) 24VDC Passive PoE (Pins 4, 5+; 7, 8-) auto detects 802.3af or at or user selectable for 24V
Max. PoE+ Wattage per Port	34.2W	34.2W	34.2W	34.2W
Max. Passive PoE Wattage per Port	17W	17W	17W	17W
Management	EdgeMax User Interface Web Managed advanced Layer2+ switching and Layer 3 Routing Capability	EdgeMax User Interface Web Managed advanced Layer2+ switching and Layer 3 Routing Capability	EdgeMax User Interface Web Managed advanced Layer2+ switching and Layer 3 Routing Capability	EdgeMax User Interface Web Managed advanced Layer2+ switching and Layer 3 Routing Capability
Mounting	1U 19" Rackmount Kit Included	1U 19" Rackmount Kit Included	1U 19" Rackmount Kit Included	1U 19" Rackmount Kit Included



Unifi Switches

Managed POE+ Gigabit Switches with SFP

(Unifi Controller Software Management Interface)









Unifi Switches	US-24-250W	US-24-500W	US-48-500W	US-48-750W
Network Interface	(24) 10/100/1000 Mbps RJ45 Ethernet Ports (2) 1 Gbps SFP Ethernet Slots (24) RJ45 Ports are configurable for PoE	(24) 10/100/1000 Mbps RJ45 Ethernet Ports (2) 1 Gbps SFP Ethernet Slots (24) RJ45 Ports are configurable for PoE	 (48) 10/100/1000 Mbps RJ45 Ethernet Ports (2) 10 Gbps SFP+ Ethernet Ports (2) 1 Gbps SFP Ethernet Ports (48) RJ45 Ports are configurable for PoE 	 (48) 10/100/1000 Mbps RJ45 Ethernet Ports (2) 10 Gbps SFP+ Ethernet Ports (2) 1 Gbps SFP Ethernet Ports (48) RJ45 Ports are configurable for PoE
Total Non-Blocking Throughput	26 Gbps	26 Gbps	70 Gbps	70 Gbps
Switching capacity:	52 Gbps	52 Gbps	140 Gbps	140 Gbps
Forwarding rate:	38.69 Mpps	38.69 Mpps	104.16 Mpps	104.16 Mpps
Max. PoE Power Output	250W	500W	500W	750W
Dimension	485.04 x 44.45 x 285.6 mm	485.04 x 44.45 x 285.6 mm	485.04 x 44.45 x 347.6 mm	485.04 x 44.45 x 347.6 mm
Power Input	AC/DC, Internal, 250W DC, schuko power cord included	AC/DC, Internal, 500W DC, schuko power cord included	AC/DC, Internal, 500W DC, schuko power cord included	AC/DC, Internal, 750W DC, schuko power cord included
PoE Interfaces	POE+ IEEE 802.3af/at (Pins 1, 2+; 3, 6-) 24VDC Passive PoE (Pins 4, 5+; 7, 8-) auto detects 802.3af or at or User selectable for 24V	POE+ IEEE 802.3af/at (Pins 1, 2+; 3, 6-) 24VDC Passive PoE (Pins 4, 5+; 7, 8-) auto detects 802.3af or at or User selectable for 24V	POE+ IEEE 802.3af/at (Pins 1, 2+; 3, 6-) 24VDC Passive PoE (Pins 4, 5+; 7, 8-) auto detects 802.3af or at or User selectable for 24V	POE+ IEEE 802.3af/at (Pins 1, 2+; 3, 6-) 24VDC Passive PoE (Pins 4, 5+; 7, 8-) auto detects 802.3af or at or User selectable for 24V
Max. PoE+ Wattage per Port	34.2W	34.2W	34.2W	34.2W
Max. Passive PoE Wattage per Port	17W	17W	17W	17W
Management	Unifi Controller Software Managed advanced Layer2+ switching and Layer 3 Routing Capability	Unifi Controller Software Managed advanced Layer2+ switching and Layer 3 Routing Capability	Unifi Controller Software Managed advanced Layer2+ switching and Layer 3 Routing Capability	Unifi Controller Software Managed advanced Layer2+ switching and Layer 3 Routing Capability
Mounting	1U 19" Rackmount Kit Included	1U 19" Rackmount Kit Included	1U 19" Rackmount Kit Included	1U 19" Rackmount Kit Included



Unifi Security Gateway Router WAN/LAN/VoIP



Unifi Security Gateway Router	USG
Performance	Combines high performance routing 1 million packets per second for 64-byte packets with advanced security features like VLAN, VPN, QOS for VoIP
Networking Interfaces	 (1) 10/100/1000 WAN Ethernet Port (1) 10/100/1000 LAN Ethernet Port (1) 10/100/1000 VoIP Ethernet Port (1) RJ45 Serial Console Port
Dimension	135 x 135 x 28.3 mm
CPU	Dual-Core 500 MHz, MIPS64
Memory	512 MB DDR2 RAM
On-Board Flash Storage	2 GB
Max. Power Consumption	7W
Power Supply	12VDC, 1A Power Adapter (Included)
Management	Configured through Unifi Controller Management Software Included



Surveillance Unifi IP Cameras











Cameras	UVC	UVC-Dome	UVC-Pro	AirCam	AirCam Dome
Use	Indoor	Indoor	Outdoor/Indoor Weatherproof housing	Indoor	Indoor
Resolution	720p HD (1280 x 720) 1 MP	720p HD (1280 x 720) 1 MP	1080p Full HD (1920x1080) 2 MP	720p HD (1280 x 720) 1 MP	720p HD (1280 x 720) 1 MP
Maximum Frame Rate	30 FPS	30 FPS	30 FPS	30 FPS	30 FPS
Lens	3.6 mm/F1.8	1.96 mm/F2.0	3x Optical Zoom, F=3-9 mm	4.0 mm / F1.5	1.96 mm / F2.0
	Progressive Scan RGB 1/4" CMOS			Progressive Scan RGB CMOS	Progressive Scan RGB CMOS
Sensor	Image Sensor	1/4" CMOS	1/3" WDR Sensor	1/4"	1/4"
Microphone	Built-in	Built-in	NA	NA	Built-In
				264 x 61.5 x 58.5 mm (with	
Dimensions	225 x 75 x 75 mm	111 x 96 x 96 mm	322 x 100 x 100 mm	mounting arm)	100 x 94 mm
	(1) 10/100 Ethernet Port, microSD	` ' '			(1) 10/100 Ethernet, MicroSD
Ports	Card Slot	Card Slot	(1) 10/100 Ethernet	(1) 10/100 Ethernet	Card Slot
Night Mode	IR LED with Mechanical IR Cut Filter	IR LED with Mechanical IR Cut Filter	IR LED with Mechanical IR Cut Filter	NA	NA
				Passive Power over Ethernet	Passive Power over Ethernet
	Passive Power over Ethernet (12-	Passive Power over Ethernet (12-	Passive Power over Ethernet (48V, 0.5A)	(12-24V)	(12-24V)
_	24V)	24V)	802.3af compatible	24V, 0.5A PoE Adapter	24V, 0.5A PoE Adapter
Power	24V, 0.5A PoE Adapter Included	24V, 0.5A PoE Adapter Included	48V, 0.5A PoE Adapter Included	Included	Included
Maximum Power	4.5.14		42.5.11	2.434	2.5.14
Consumption	4.5 W	4 W	12.5 W	2.4 W	3.5 W
Mounting	Pole/Wall/Ceiling bracket included	Ceiling Mount	Pole/Wall/Ceiling Adapter Kit Included	Wall/Ceiling Adapter Kit Included	Ceiling Mount
Video Compression	H.264	H.264	H.264	H.264	H.264
Processor	ARM 1136J-S, 528 MHz	ARM 1136J-S 528 MHz	ARM 1136J-S 528 MHz	ARM-Based 32-Bit RISC	ARM-Based 32-bit RISC
FIOCESSOI	ARIVI 11303-3, 328 IVITIZ	ANIVI 11303-3 328 IVITIZ	ANIVI 11303-3 328 IVITIZ	128 MB DDR2 SDRAM, 8 MB	128 MB DDR2 SDRAM, 8 MB
Memory	256 MB DDR3	256 MB DDR3	256 MB DDR3, 256 MB Flash	Flash	Flash
,	56.14° (H)	88.8° (H)	44.4° W - 15.7° T (V)	47° (H)	90° (H)
	36.86° (V)	63.0° (V)	81.0° W - 27.9° T (H)	31° (V)	62° (V)
Viewing Angle	64.33° (D)	98.2° (D	94.0° W - 32.1° T (D)	54° (D	101° (D)
Software	Unifi Video Software Included	Unifi Video Software Included	Unifi Video Software Included	`	Unifi Video Software Included



Surveillance Network Video Recorder



Video Recorder	UVC-NVR	
Dimension	135 x 190 x 25 mm	
Processor	Intel D2550	
Memory	4 GB	
Hard Drive	Built-in 500 GB hard drive	
Ports	(1) 10/100/1000 Ethernet	
Power Supply	65 W, 19V, 3.42A included	
Software	UniFi Video software is pre-installed	
Approx Recording Hours	1200 recording hours at 480p resolution or 400 recording hours at 720p resolution (numbers can vary depending on the frame rate).	
NVR Camera Support	Recommended for up to 20 UniFi Video Cameras	
Media Format	MP4 (H.264/AAC)	
Scheduling	Day/Time/Camera Scheduled Video Recording/Motion Detection/Email Alerts	
Views	Custom Views of Multiple Cameras Full Screen Capability	



IP Power Controlled Schuko Outlets Remote controllable power outlets with Wi-Fi capability. Can be configured to operate on a schedule with customizable power on/off rules. Energy Monitoring.







Controlable Power Outlets	mPower mini	mPower	mPower PRO
Dimension	110.8 x 71 x 67.7 mm	241.3 x 116.9 x 41.27 mm	250.37 x 116.7 x 42 mm
Mounting	Wall	Wall (Kit Included)	Wall (Kit Included)
Power	220 - 250VAC, 50 Hz, 10A	220 - 250VAC, 50 Hz, 16A Per Outlet, 16A Total	220 - 250VAC, 50 Hz, 16A Per Outlet, 16A Total
Outlets	1	3	6
Networking Interface	Wi-Fi	Wi-Fi	Wi-Fi + (1) 10/100 Ethernet Port
Memory	16 MB RAM, 8 MB Flash	16 MB RAM, 8 MB Flash	16 MB RAM, 8 MB Flash
Wi-Fi	802.11b/g/n	802.11b/g/n	802.11b/g/n
Management	Mfi controller Software included	Mfi controller Software included	Mfi controller Software included



Connect mFI Sensors to Mport to create IP Network Smart Home Automation





mFi interface	mPort	mPort-S
Network Interface	(1) 10/100 Ethernet Port Wi-Fi	(1) 10/100 Ethernet Port Wi-Fi
Ports	(2) mFi RJ45 Ports (1) mFi Terminal Block Port	(1) DB9 Serial Port (1) Terminal Block Serial Port
Antena	(1) Internal	(1) Internal (1) External
Output Power	18 dBm	18 dBm
Wi-Fi Standards	802.11b/g/n	802.11b/g/n
Memory	16 MB RAM, 8 MB Flash	16 MB RAM, 8 MB Flash
Power Supply	24V, 0.5A Surge Protection Integrated PoE Adapter (Included)	24V, 0.5A Surge Protection Integrated PoE Adapter (Included)
Max. Power Consumption	3W	3W
Software	Includes mFI advanced management software	Includes mFI advanced management software
Dimension	100 x 60 x 36.5 mm	100 x 60 x 36.5 mm
Mounting	Wall-Mount Bracket (Included)	Wall-Mount Bracket (Included)
Works With	Connect mFi sensors to Mport to create IP network smart automation	



mFi Smart Home Automation IP Sensors







mFi Sensors	mFi-MSC
Description	Ceiling Mount Motion Detector
Dimension	134.5 x 134.5 x 30.5 mm
Angle of View	360°
Cone of Detection	110° Wide Angle
Ports	(1) mFi RJ45 Port
Mounting	Ceiling-Mount Bracket (Included)
Mounting Height	Up to 4.5 m
Operating Temperature	0 to 50° C

mFi Sensors	mFi-MSW
Description	Wall Mount Motion Sensor
Dimension	146 x 66 x 52 mm
Detection Range	10 x 10 m
Ports	(1) mFi RJ45 Port
	Wall/Ceiling-Mount Bracket (Kits
Mounting	included)
Mounting Height	2.3 m Typical
Operating Temperature	(-10° to 45° C)

mFi Sensors	mFi-THS
Description	Temperature Sensor
Dimension	100 x 85 x 27.8 mm
Temperature Range	(-10 to 50° C)
Ports	(1) mFi RJ45 Port
Operating Temperature	(-25 to 60° C)





mFi Sensors	mFi-DS
Description	Door Sensor
Dimension	50 x 9.5 x 7.7 mm
Contact Form	Form A (SPST)
Maximum Rating	1.0A @ 28VDC
Initial Contact Resistance	0.3 Ω Maximum
Operating Range	20 mm (Typical)
Wiring	Screw Terminal
Mounting	Adhesive or Screws (Included)
Operating Temperature	(-10 to 60° C)

mFi Sensors	mFi-CS
Description	Current Sensor
Dimension	32 x 57 x 22 mm
Size of Opening	13 x 13 mm
Ports	(1) mFi RJ45 Port
Input Current	0 to 100A
Load	Linear
Dielectric Strength	6000VAC/1 min.
Operating Temperature	(25 to 70° C)



Scalable Internet Telelphony Network







VoIP Phones	UVP	UVP-PRO	UVP-Executive
Display	5" (Diagonal), 640 x 960, 231 ppi, Multi-Touch, Full Color	5" (Diagonal), 640 x 960, 231 ppi, Multi-Touch, Full Color	7" (Diagonal), 1024 x 600, 170 ppi, Multi-Touch, Full Color
Camera	No	1.0 MP (HD720p)	1.0 MP (HD720p)
Bluetooth	No	Bluetooth 4.0	Bluetooth 4.0
Wi-Fi	No	Wi-Fi 802.11 a/b/g/n	Wi-Fi 802.11 a/b/g/n
Dimension	166 x 140 x 182.5 mm	166 x 140 x 182.5 mm	254.6 x 135 x 182.5 mm
Handset	Dynamic Receiver 32 ohm/101 dB/30mW Microphone Omni-Directional/-36 dB/2.2K ohm	Dynamic Receiver 32 ohm/101 dB/30mW Microphone Omnidirectional/-36 dB/2.2K ohm	Dynamic Receiver 32 ohm/101 dB/30mW Microphone Omnidirectional/-36 dB/2.2K ohm
Power Input	PoE 802.3.af (13W)	PoE 802.3.at (26W)	PoE 802.3.at (26W)
Hands-Free Speaker	Mono 2.6W	Mono 2.6W	Stereo 4.0W
Connectivity	(2) 10/100/1000 Ethernet Ports (1) USB 2.0 microUSB Port	(2) 10/100/1000 Ethernet Ports (1) USB 2.0 microUSB Port Bluetooth 4.0 Wi-Fi 802.11 a/b/g/n	(2) 10/100/1000 Ethernet Ports (1) USB 2.0 microUSB Port (1) USB 2.0 Type A USB Host Port Bluetooth 4.0 Wi-Fi 802.11 a/b/g/n
Headset Support	3.5 mm Audio Jack	3.5 mm Audio Jack	3.5 mm Audio Jack
Processor	Dual-Core Cortex A9, 1.2 GHz	Dual-Core Cortex A9, 1.2 GHz	Dual-Core Cortex A9, 1.2 GHz
Storage	4 GB (Shared with Other Applications)	4 GB (Shared with Other Applications)	4 GB (Shared with Other Applications)
RAM	1 GB	1 GB	1 GB
os	Android Kit Kat (Version 4.4.2)	Android Kit Kat (Version 4.4.2)	Android Kit Kat (Version 4.4.2)
Voice Codec	G.722/Speex/iLBC/PCMU/PCMA/GSM	G.722/Speex/iLBC/PCMU/PCMA/GSM	G.722/Speex/iLBC/PCMU/PCMA/GSM
Communication Software	UniFi Phone App	UniFi Phone App	UniFi Phone App
Protocol	SIP/SDP/RTP/RTCP/VLAN/DHCP	SIP/SDP/RTP/RTCP/VLAN/DHCP	SIP/SDP/RTP/RTCP/VLAN/DHCP



Toughcable Outdoor Shielded Ethernet Cable





Toughcable	TC-PRO	TC-CARRIER	
Category	CAT5e, Shielded FTP	CAT5e, Shielded SFTP	
Ethernet Support	Up to 1 Gbps	Up to 1 Gbps	
Conductor Wire Gauge	24 AWG	24 AWG	
Conductor	Solid Bare Copper	Solid Bare Copper	
Foil Shield	Yes Thick: 0.060 mm, Extent: 18 mm	Yes Thick: 0.060 mm, Extent: 20 mm	
Braided Shield	No	Yes 16*8*0.16AA Density: 95%	
Jacket Outer Diameter	6.0 ± 0.30 mm	6.8 ± 0.30 mm	





Tough Cable Connectors	TC-CON	TC-GND
Category	Cat 5E Shielded	Cat 5E Shielded
AWG	24	24
ESD Drain wire	Yes	Yes
ESD Drain Wire Tab	No	Yes



Ethernet Surge Protector	ETH-SP
Dimension	91 x 61 x 32.5 mm
Interface Connections	(2) RJ45 Female Connectors
	Absorbing Transient Current with Response to
ESD Protection	Surge Voltage from 100V/s to 1kV/μs
DC Spark Over Voltage	90V @ 100V/s
Max Insulation Resistance	700V @ 1kV/μs
Max Capacitance	1.0 pF @ 1 MHz
Data Line Protection	RJ45 10/100/1000 Ethernet
802.3af PoE Support	Yes



PoE Adapters









PoE Adapters	POE-15-12W	POE-24-12W	POE-24-12W-G	POE-24-24W
Output Voltage	15VDC @ 0.8A	24VDC @ 0.5A	24VDC @ 0.5A	24VDC @ 1.0A
Output Watts	12 W	12 W	12 W	24 W
Dimension	85.1 x 44 x 29.2 mm	87 x 84 x 29.2 mm	87 x 84 x 29.2 mm	88 x 57 x 33 mm
Lan Port	10/100 Mbps	10/100 Mbps	10/100/1000 Mbps	10/100 Mbps
Remote Reset Capability	No	Yes	Yes	Yes
2-Pair Powering	Pins 4, 5 (+) and Pins 7, 8 (-	Pins 4, 5 (+) and Pins 7, 8 (-	Pins 4, 5 (+) and Pins 7, 8 (-	Pins 4, 5 (+) and Pins 7, 8 (-
AC Connector	IEC-320 C6	IEC-320 C6	IEC-320 C6	IEC-320 C6
AC Cable	EU Schuko	EU Schuko	EU Schuko	EU Schuko









PoE Adapters	POE-24-24W-G	POE-48-24W	POE-48-24W-G	POE-50-60W
Output Voltage	24VDC @ 1.0A	48VDC @0.5A	48VDC @0.5A	50VDC @ 1.2A
Output Watts	24 W	24 W	24 W	60 W
Dimension	88 x 57 x 33 mm	88 x 57 x 33 mm	91.8 x 59.9 x 33 mm	100.95 x 60 x 33 mm
Lan Port	10/100/1000 Mbps	10/100 Mbps	10/100/1000 Mbps	10/100 Mbps
Remote Reset Capability	Yes	No	Yes	Yes
2-Pair Powering	Pins 1, 2, 4, 5 (+) and Pins 7, 8, 3, 6 (-	Pins 4, 5 (+) and Pins 7, 8 (-	Pins 4, 5 (+) and Pins 7, 8 (-	Pins 1, 2, 4, 5 (+) and Pins 7, 8, 3, 6 (-
AC Connector	IEC-320 C6	IEC-320 C6	IEC-320 C6	IEC-320 C6
AC Cable	EU Schuko	EU Schuko	EU Schuko	EU Schuko



Instant 802.3af Adapters

802.3af Adapters allow most Ubiquiti devices to be powered by an 802.3af 48V switch.





Convert Passive PoE to 802.3af Adapters	INS-8023AF-I	INS-8023AF-O	
Use	Indoor	Outdoor	
Output Ethernet Cable	No	Yes	
Input Power	48V, 802.3af (with Sensing Capability)	48V, 802.3af (with Sensing Capability)	
Output Power	18V, 0.7A	18V, 0.7A	
Output PoE Method	Positive 4, 5; Return 7, 8	Positive 4, 5; Return 7, 8	
Ethernet ESD/Surge Protection	±15kV	±15kV	
Dimension	93.5 x 27 x 21.5	315 x 25.8 x 24.8	



Outdoor Antena Accessories













PAK-620	ISO-BEAM-620	PBE-RAD-400	RAD-2RD	RAD-3RD	AF-5G-OMT-S45
Precision Alignment Kit	Isolator Radome for 620 mm Dish Reflector	Protective radome for 400 mm Dish Reflector	Protective radome	Protective radome	AirFiber X Conversion Kit
Enables extremely accurate aiming to optimize airFiber and airMAX Point-to-Point (PtP) links.	Improved wind load performance and advanced RF energy isolation. RF-choke perimeter delivers	Reduces wind load Protects antenna surfaces from nature's harshest elements Conceals antenna feed equipment from public view	Reduces wind load Protects antenna surfaces from nature's harshest elements Conceals antenna feed equipment from public view	Reduces wind load Protects antenna surfaces from nature's harshest elements Conceals antenna feed equipment from public view	The 5 GHz RocketDish to airFiber Antenna Conversion Kit converts the RocketDish RD-5G30 or RD-5G34 antenna for use with the airFiber AF-5X radio.
Optional accessory for dish antennas: airFiber AF-5G30-S45, PowerBeam PBE-5AC-620, PowerBeam PBE-M5-620, or RocketDish RD-5G30-LW.	Optional accessory for use	·	Optional accessory available for RD- 5G30		







NS-WM	UB-AM
Optional Window/WallMount Kit for	Optional Wall/Pole Mounting Kit
NanoStation, LocoM to quickly	designed for convenient wall or pole
mount. 180° vertical or horizontal	mounting of the NanoStationM and
adjustment allows for custom	LocoStation. 90° tilt adjustment allows
positioning.	for easy positioning.

or pole M5-16 and NBE-M5-19, for enhanced stability when mounting the NanoBeam on a wall.

NBE-WMK