

Wireless LANs

Empowering Mobility & Security

PLANET Wireless LAN Management Solution

PLANET Wireless LAN Management Solution offers multiple ways of central AP management with Hardware AP Controller and NMS AP Controller. The solution enables you to control more than 100,000 APs in different indoor or outdoor locations at the same time. Featuring the friendly floor plan, dashboard and graphical statistic functions through one single browser-based web user interface, the administrator can easily discover, configure, update and monitor all the managed APs.



Dashboard

Watch Over Wireless APs within Minutes

Provides a web-based dashboard with graphical data analysis for your wireless APs network



NMS/DDNS

Centralized Wireless LAN Management via UNI-NMS

Controls wireless APs via PLANET's Universal Network Management System or DDNS cloud portal



Google Map

Optimizing Wi-Fi Deployment with Google Map

Optimizes signal coverage to enhance network performance



AP Provision

Easy to Manage Multiple Access Points

User-friendly Web GUI and step-by-step guidance for easy management



Wireless AP Controllers



Indoor Managed Access Points



Outdoor Managed Access Points



Industrial Managed Access Points

Wireless LAN Controllers Solution

	Hardware AP Controller		Software AP Controller	Cloud App Controller	AP Controller Router				AP Controller Cellular Gateway			AP controller PoE Switch
	UNC-NMS	NMS-500 NMS-1000V	NMS-LITE	PLANET CloudViewerPro	VR-300PW6A/ VR-300W6A/VR-300W6/ VR-300PW6/VR-300FW-NR	VR-300PW5 VR-300W5	VR-300/VR-300P VR-300F/VR-300FP	IVR-300 IVR-300FP	ICG-2515-NR ICG-2515F	ICG-2515W-NR ICG-2515FW-NR	FWA-2100-NR	WS-1032P
Product Image												
												
Max. number of APs supported	102,400	512/1024	100	20	64	64	64	64	64*1	64*1	64*1	32
AP Control related features												
AP Discovery	●	●	●	●	●	●	●	●	●	●	●	●
AP Control, Cluster Management	●	●	●	●	●	●	●	●	●	●	●	●
AP Status Monitoring	●	●	●	●	●	●	●	●	●	●	●	●
Real-time Graphical Statistics	●	●	●	●*1	●	●	●	●	●	●	●	●
SSID/RF Profile Creation	●	●	●	●*1	●	●	●	●	●	●	●	●
Profile Backup/Restore	●	●	●	●*1	●	●	●	●	●	●	●	—
Bulk AP Provisioning/Delivery	●	●	●	●*1	●	●	●	●	●	●	●	●
Bulk AP Firmware Upgrade	●	●	●	●*1	●	●	●	●	●	●	●	●
Floor Map	●	●	●	● (Location)	●	●	●	●	●	●	●	●
Google Map	●*1	●*1	●*1	●*1	●*1	●*1	●*1	●*1	●*1	●*1	●*1	●*1
Topology View	●	●	●	●*1	●*1	●*1	●*1	●*1	●*1	●*1	●*1	●*1
Built-in DHCP Server	●	●	—	—	●	●	●	●	●	●	●	●
Auto IP Assignment (DHCP server)	●	●	●	—	●	●	●	●	●	●	●	●
L2 Roaming	●	●	●	—	●	●	●	●	●	●	●	●
L3 Routing	—	—	—	—	●	●	●	●	●	●	●	—
PoE Schedule, Alive Check	—	—	—	—	● (On PoE Model)	● (On PoE Model)	● (On PoE Model)	● (On PoE Model)	—	—	—	●
SSIDs-to-VLANs mapping	●	●	●	●	●	●	●	●	●	●	●	●
802.1X RADIUS Authentication	●	●	●*3	●	●	●	●	●	●	●	●	●*3
Captive Portal	—	—	—	—	●	●	●	●	●	●	●	●*1
MAC Access Control (Black list)	●*1	●*1	●*1	●*1	●*1	●*1	●*1	●*1	●*1	●*1	●*1	●*1
User Account Management	●	●	●*1	●*1	●*1	●*1	●*1	●*1	●*1	●*1	●*1	●*1
Supported AP Models	Outdoor: WDAP-3000AX WDAP-1800AX WDAP-850AC		WAP-252N WAP-552N WBS-502AC	WBS-202N WBS-502N WB-202N	Indoor: WDAP-C3000AX WDAP-C1800AX WDAP-W1800AXU				WDAP-C7210E WDAP-W1200E WADP-C7200E	WDAP-W1200AC WDAP-7200E WNAP-C3220E	WDAP-W750E WNAP-W2200UE	Industrial: IAP-3000AX IAP-2400AX IAP-1800AX

*1. Future supported through firmware/patch upgrade

*2. DHCP server is required

*3. External RADIUS Server is required

Indoor Managed AP Series

Industrial Indoor Managed AP Series		
Model	IAP-2400AX	IAP-1800AX

Product Image



Wireless	Standard	802.11 a/n/ac/ax Wi-Fi 6 technology	
	Max. Data Rate	5GHz:2400Mbps	2.4GHz: 600Mbps 5GHz:1200Mbps
	MIMO System	4T4R	2T2R
	Antenna/Connector	dual-band 4dBi antenna x4/ SMA type antenna connectors x4	dual-band 4dBi antenna x2/ SMA type antenna connectors x2
	Max. TX Power	FCC : < 23dBm / ETSI : EIRP < 19dBm	
	Max. Range	70m	70m
	OFDMA	●	●
	MU-MIMO	●	●
Hardware	Network Interface	5 x 10/100/1000BASE-T	
	USB	1 x USB 3.0	
	DIDO	2 DI, 2 DO	
	Relay Alarm	●	●
Operating Mode	Power Requirements	Dual DC 9~54V	
	Access Point	●	●
	Gateway	●	●
	Client Bridge	Repeater Mode Substitute	
	WDS Bridge	—	—
	Repeater	●	●
	Universal Repeater	●	●
	EasyMesh	●1 (Feature supported in the future)	
Security	WEP	64-/128-bit	64-/128-bit
	WP3	●	●
	WPA/WPA2	●	●
	802.1X	●1 (Feature supported in the future)	
Advanced	Multiple SSIDs	4+4(5GHz)	4+4(2.4GHz+5GHz)
	802.1Q VLAN	●	●
	Client Isolation	●	●
	Max. Wireless Clients	150(5GHz)	75+75(2.4GHz+5GHz)
	WMM	●	●
	MAC Filtering	●	●
	Wi-Fi Analyzer	●1 (Feature supported in the future)	
	IPv6	●	●
	Captive Portal	●	●
	RADIUS Server Client	●	●
	PLANET DDNS	●	●
	SNMP	●	●
	Fast Roaming	●	●
	Remote Management	●	●
	NMS APC	●	●
	Smart Discovery	●	●
Environment	Operating Temperature	-40 ~ 75 degrees C	
	Operating Humidity	10 ~ 90% (non-condensing)	
Management	Applicable Controllers	1 (Feature supported in future) WS-1203P / WS-2864PVR NMS-500/1000V series / VR-300 series / ICG-2515-NR series	

11ax Dual Band AP		11ac Dual Band AP	
Model	WDAP-C3000AX	WDAP-W1800AXU	WDAP-C7210E

Product Image



Wireless	Standard	802.11ax/ac/b/g/n Wi-Fi 6 technology	802.11ax/ac/b/g/n Wi-Fi 6 technology	802.11ac/b/g/n MU-MIMO technology
	Max. Data Rate	2.4GHz: 600Mbps 5GHz:2400Mbps	2.4GHz: 600Mbps 5GHz:1200Mbps	2.4GHz: 300Mbps 5GHz: 867Mbps
	MIMO System	2T2R	2T2R	2T2R
	Antenna/Connector	2.4GHz: 4dBi x2 5GHz: 4dBi x2	2.4GHz: 4dBi x2 5GHz: 4dBi x2	2.4GHz: 5dBi x2 5GHz: 4dBi x2
	Max. TX Power	FCC : < 20dBm / ETSI : EIRP < 19dBm		
	Network Interface	2 x 10/100/1000BASE-T	1 x 10/100/1000BASE-T	2 x 10/100/1000BASE-T
	PoE	802.3at PoE+	802.3at PoE+	802.3at PoE+
	Power Requirements	12V DC, 2A or 802.3at PoE+	48V 802.3af PoE	2V DC, 1.5A or 802.3at PoE+
Hardware	Access Point	●	●	●
	Gateway	●	●	●
	Universal Repeater	●	●	●*1
Operating Mode	Wi-Fi Mesh	●	●	—
	WEP	64-/128-bit	64-/128-bit	64-/128-bit
	WP3	●	●	●
Security	WPA/WPA2	●	●	●
	802.1X	●1 (Feature supported in the future)		
Advanced	Multiple SSIDs	4+4(2.4GHz+5GHz)	4+4(2.4GHz+5GHz)	4+4(2.4GHz+5GHz)
	802.1Q VLAN	●	●	●
	Client Isolation	●	●	●
	Max. Wireless Clients	128+128(2.4GHz+5GHz)	64+64(2.4GHz+5GHz)	64+64(2.4GHz+5GHz)
	WMM	●	●	●
	MAC Filtering	●	●	●
	Wi-Fi Analyzer	●	●	●
	IPv6	●	●	●
	Captive Portal (Gateway Mode)	●	●	●
	RADIUS Server/Client (Gateway Mode)	●	●	●
	PLANET DDNS (Gateway Mode)	●	●	●
	SNMP	●	●	●
	Fast Roaming	●	●	●
	Remote Management (CloudViewer)	●	●	●
	NMS APC	●	●	●
	Smart Discovery	●	●	●
Environment	Operating Temperature	0 ~ 55 degrees C	0 ~ 55 degrees C	0 ~ 55 degrees C
	Operating Humidity	10 ~ 90% (non-condensing)		
Management	Applicable Controllers	●1 (Feature supported in the future) WS-1203P/WS-2864PVR/NMS-500/1000V series/VR-300 series/ICG-2515-NR series		

Dual Band Outdoor Wireless Access Points

		11ax Dual Band AP		11ac Dual Band APs
Model		WDAP-3000AX	WDAP-1800AX	WDAP-850AC
Product Image				
		Wi-Fi 6 IP67 3000Mbps	Wi-Fi 6 IP67 1800Mbps	WAVE2 1200Mbps
Outdoor IP Level		IP67	IP67	IP67
Wireless	Standard	802.11ax/ac/b/g/n Wi-Fi 6 technology		
	Max. Data Rate	2.4GHz: 600Mbps 5GHz: 2400Mbps	2.4GHz: 600Mbps 5GHz: 1200Mbps	300Mbps+900Mbps
	Antenna/Connector	4 x N-Type (F)	4 x N-Type (F)	4 x N-Type (F) work with 4PCS 8dBi omni antennas.
	Max. Range	Depends on antenna		
	Max. TX Power	FCC : < 25dBm ETSI : EIRP < 20dBm		
Hardware	Network Interface	1 x 10/100/1000BASE-T		
	PoE	802.3at PoE+		
Operating Mode	Access Point	●	●	●
	Client Bridge	●	●	—
	WDS Bridge	Repeater Mode Substitute		
	Repeater	—	—	●
	Universal Repeater	●	●	●
	WISP	●	●	●
Security	WEP	—	—	64-/128-bit
	WPA/WPA2/WPA3	●	●	● (W/O WPA3)
	802.1X	●	●	●
WAN Type (In WISP Mode)	Dynamic IP	●	●	●
	Static IP	●	●	●
	PPPoE/PPTP/L2TP	● / — / —	● / — / —	● / — / —
Advanced	Multiple SSIDs	4+4 (2.4GHz+5GHz)	4+4 (2.4GHz+5GHz)	4+4 (2.4G+5G)
	802.1Q VLAN	●	●	●
	AP Isolation	●	●	●
	Max. WDS Peers	—	—	4
	Max. Wireless Clients	128+128 (2.4GHz+5GHz)	64+64 (2.4GHz+5GHz)	50+50 (2.4G+5G)
	WMM	●	●	●
	MAC Filtering	●	●	●
	Firewall	●	●	●
	VPN Pass-through	●	●	●
	Wi-Fi Mesh	●	●	—
	IPv6	●	●	—
	SNMP	●	●	●
	Fast Roaming	●	●	●
	Smart Discovery	●	●	●
Environment	Operating Temperature	-40 ~ 70 degrees C		
	Operating Humidity	10 ~ 95% (non-condensing)		5 ~ 95% (non-condensing)
Management	Applicable Controllers	WS-1032P/WS-2864PVR/NMS-500/1000V series/VR-300 series/ICG-2515 series		

5GHz Outdoor Wireless Access Points

		11ac 5G AP/CPE	Long Range Wireless Access Points
Model		WBS-512AC	WBS-900AC-KIT
Product Image			
		WAVE2	WAVE2 TDMA
Outdoor IP Level		IP55	IP65
Wireless	Standard	802.11ac/a/b/g/n	802.11a/n/ac, TDMA
	Max. Data Rate	900Mbps	867Mbps
	Antenna/Connector	14dBi dual-polarity directional antenna	Dual polarization dish antenna Gain 29 dBi
	Max. Range	Up to 10km	20Km
	Max. TX Power	FCC : 27dBm ETSI : EIRP < 20dBm	30dBm
Hardware	Network Interface	1 x 10/100/1000BASE-TX	1 x 10/100/1000BASE-T
	PoE	802.3af/at PoE	802.3at PoE+ (End-span)
Operating Mode	Access Point	●	●
	Client Bridge	—	●
	WDS Bridge	●	●
	Repeater	●	—
	Universal Repeater	●	—
	WISP	●	—
Security	WEP	—	●
	WPA/WPA2	●	●
	802.1X	●	●
WAN Type (In WISP Mode)	Dynamic IP	●	●
	Static IP	●	●
	PPPoE/PPTP/L2TP	● / — / —	● / — / —
Advanced	Multiple SSIDs	4	—
	802.1Q VLAN	●	●
	AP Isolation	●	●
	Max. WDS Peers	4	—
	Max. Wireless Clients	50	128
	WMM	●	●
	MAC Filtering	●	●
	Firewall	—	—
	VPN Pass-through	●	—
	Mesh	—	—
	IPv6	—	●
	SNMP	●	●
	Fast Roaming	—	—
	Smart Discovery	●	—
Environment	Operating Temperature	-20 ~ 70 degrees C	-40 ~ 70 degrees C
	Operating Humidity	5 ~ 90% (non-condensing)	
Management	Applicable Controllers	WAPC-500/NMS-1000V/WS-1232P/WS-2864PVR	—

5G NR/4G LTE Vehicle/Industrial Wireless Gateway

Wireless Gateway										
Model	ICG-2515-NR	ICG-2515W-NR	ICG-2515F-NR	ICG-2515FW-NR	ICG-2210W-NR	VCG-1500WG-LTE	ICG-2510W-LTE	ICG-2510WG-LTE	FWA-2100NR	
Product Image										
Hardware	10/100BASE-TX	5 10/100/1000BASE-T		5 10/100/1000BASE-T		1 10/100/1000BASE-T	4	5 10/100/1000BASE-T		1 10/100/1000BASE-T
	WAN	1 + (LAN)	1 + (LAN)	1	1	1 10/100/1000BASE-T	1	1	1	–
	Fiber WAN	–	–	1	1	–	–	–	–	–
	Wi-Fi	● IEEE 802.11ax, 24GHz & 5GHz				802.11n, 2.4GHz 802.11ac, 5GHz	802.11n, 2.4GHz	802.11n, 2.4GHz 802.11ac, 5GHz	802.11n, 2.4GHz 802.11ac, 5GHz	802.11n, 2.4GHz
	GPS	GNSS positioning		GNSS positioning		●	●	–	●	●
	SIM Card Slot	2	2	2	2	2 (Micro SIM)	1	2 (Failover, Load balancing and bonding function)		2 (Nano SIM)
	TF Card Interface	–	–	–	–	–	2	1	1	–
Multi Band Supports	EU Model/ US Model	5G NR: n1/n2/n3/n5/n7/n8/n12/n20/n25/n28/n38/ n40/n41/n48/n66/n71/n77/n78/n79 4G LTE: B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/ B18/B19/B20/B25/B26/B28/B29/B30/ B32/B34/B38/B39/B40/B41/B42/ B43/B46/B48/B66/B71		5G NR: n1/n2/n3/n5/n7/n8/n12/n20/n25/n28/n38/ n40/n41/n48/n66/n71/n77/n78/n79 4G LTE: B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/ B18/B19/B20/B25/B26/B28/B29/B30/ B32/B34/B38/B39/B40/B41/B42/ B43/B46/B48/B66/B71		EU Model: Sub-6: n1, n3, n5, n7, n8, n20, n28, n38, n40, n41, n75, n76, n77, n78, n79 LTE FDD: B1, B3, B5, B7, B8, B20, B28, B32 LTE TDD: B38, B40, B41, B42, B43 WCDMA: B1, B5, B8 US Model: Sub-6: n2, n5, n7, n12, n14, n25, n30, n48, n41, n70, n66, n71, n77, n78 LTE FDD: B2, B4, B5, B7, B12, B13, B29, B30, B66, B71 LTE TDD: B41, B46(LAA), B48	EU Model: FDD LTE B1/B3/B5/B7/B8 B20(2100/1800/850/2600/900/800) TDD LTE B38/B40/B41(2600/2300/2500 WCDMA B1/B5/B8(2100/850/900) GSM/EDGE B3/B8 (1800/900) US Model: FDD LTE B2/B4/B12 (1900/AWS1700/700) WCDMA B2/B4/B5 (1900/AWS1700/850)		EU Model: Sub-6: n1, n3, n5, n7, n8, n20, n28, n38, n40, n41, n75, n76, n77, n78, n79 LTE FDD: B1, B3, B5, B7, B8, B20, B28, B32 LTE TDD: B38, B40, B41, B42, B43 WCDMA: B1, B5, B8 US Model: Sub-6: n2, n5, n7, n12, n14, n25, n30, n48, n41, n70, n66, n71, n77, n78 LTE FDD: B2, B4, B5, B7, B12, B13, B29, B30, B66, B71 LTE TDD: B41, B46(LAA), B48	
	5G NR/4G LTE	2.4Gbps (DL)/500Mbps (UL) for NR 1Gbps (DL)/200Mbps (UL) for LTE				2.47Gbps (DL)/900Mbps (UL) for NR 1.2Gbps (DL)/200Mbps (UL) for LTE	LTE: 20MHz bandwidth: 100Mbps (DL), 50Mbps (UL)			2.47Gbps (DL)/ 900Mbps (UL) for NR
Power	Inputs	9~54V DC	9~54V DC	9~54V DC	9~54V DC	9~36V DC	5-32V DC	5-36V DC	5-36V DC	802.3at, 12V DC
	Connector	6 pin terminal block		6 pin terminal block		6 pin 3.5mm terminal block	Standard 4-pin vehicle power jack	6 pin 3.5mm terminal block		–
	Consumption	6 watts	10 watts	8 watts	12 watts	14.4 watts	3 watts	7 watts	7 watts	18 watts
Mechanical	Dimensions (W x D x H)	50 x 135 x 135 mm	50 x 135 x 135 mm	50 x 135 x 135 mm	50 x 135 x 135 mm	106 x 76 x 23.5 mm	168 x 104 x 25 mm	115.7 x 133 x 45	115.7 x 133 x 45	150 x 100 x 240mm
	Enclosure	IP30 metal	IP30 metal	IP30 metal	IP30 metal	IP30	IP30 metal case	IP30 metal case	IP30 metal case	IP68
	Mounting	DIN-rail and wall-mountab		DIN-rail and wall-mountab		DIN-rail and wall-mountable	Mounting brackets for vehicles	DIN rail	DIN rail	wall-mountable
Environment	Operating Temperature	-40~75 degrees C		-40~75 degrees C		-40~75 degrees C	-25~65 degrees C	-35~75degrees	-35~75degrees	-20~+60°C
	Operating Humidity	5 ~ 90% (non-condensing)		5 ~ 90% (non-condensing)		5% ~ 95% (No-condensing)	95% (non-condensing)		5% ~ 95% (No-condensing)	
Regulatory	Emissions	FCC Class A, CE class A		FCC Class A, CE class A		CE	FCC Part 15 Class A, CE		CE	
Management	Interface	Web browser, TLS, PLANET Smart Discoveryutility, NMS Controller, CloudViewer supported				Web, Telnet, SSH	Console, Web, telnet			Web, Telnet, SSH
	Watchdog	–	–	–	–	work with CMS for remote management and advertising				
	Log	Syslog Log	Syslog Log	Syslog Log	Syslog Log	Syslog Log	Syslog Log	Syslog Log	Syslog Log	Syslog Log

5G NR/4G LTE Vehicle/Industrial Wireless Gateway

Wireless VPN Router			
Model	VR-300FW-NR	VR-300W6A/VR-300PW6A	VR-300W5/VR-300PW5

Product Image



Outdoor IP Level		—	—	—
Wireless	Standard	IEEE 802.11g/b/n/ax 2.4GHz IEEE 802.11a/n/ac/ax 5GHz	IEEE 802.11 b/g/n/ax 2.4 GHz IEEE 802.11 a/n/ac/ax 5 GHz	IEEE 802.11 b/g/n 2.4 GHz IEEE 802.11 a/n/ac 5 GHz
	Max. Data Rate	Tx: 600 Mbps* for 2.4 GHz and 1200 Mbps* for 5 GHz Receive: 600 Mbps* for 2.4 GHz and 1200 Mbps* for 5 GHz	Tx: 600 Mbps* for 2.4 GHz or 2400 Mbps* for 5 GHz Rx: 600 Mbps* for 2.4 GHz or 2400 Mbps* for 5 GHz	Tx: 300 Mbps* for 2.4 GHz and 867 Mbps* for 5 GHz Rx: 300 Mbps* for 2.4 GHz and 867 Mbps* for 5 GHz
	Antenna/Connector	6	4	4
	Max. Range	50m	50m	50m
	Max. TX Power	<23dBm	< 23dBm	< 20dBm
Hardware	Network Interface	5 10/100/1000BASE-T	5 x 10/100/1000BASE-T	5 x 10/100/1000BASE-T
	PoE	—	— / IEEE 802.3at	— / IEEE 802.3at
Operating Mode	Access Point	—	—	—
	Client Bridge	—	—	—
	WDS Bridge	—	—	—
	Repeater	—	—	—
	Universal Repeater	—	—	—
Security	WISP	—	—	—
	WEP	64/128-bit	64/128-bit	64/128-bit
	WPA/WPA2	● / ● / ●	●	●
	802.1X	●	●	●
WAN Type (In WISP Mode)	Dynamic IP	●	●	●
	Static IP	●	●	●
	PPPoE/PPTP/L2TP	● / ● / ●	● / ● / ●	● / ● / ●
Advanced	Multiple SSIDs	8	4	4
	802.1Q VLAN	●	●	●
	AP Isolation	—	—	—
	Max. WDS Peers	—	—	—
	Max. Wireless Clients	128	64	128
	WMM	●	●	●
	MAC Filtering	●	●	●
	Firewall	●	●	●
	VPN	●	●	●
	Guest Network	—	—	—
	IPv6	●	●	●
	SNMP	●	●	●
	Fast Roaming	—	—	—
Environment	Smart Discovery	●	●	●
	Operating Temperature	0 ~ 50 degrees C	0 ~ 50 degrees C	0 ~ 50 degrees C
Management	Operating Humidity	5 ~ 95% (non-condensing)		
	Applicable Controllers	●	●	●

SOHO Wireless Mesh Router

Wi-Fi 6 11ax Router	
Model	WDR2-1800AX

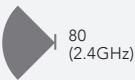
Product Image

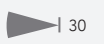
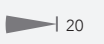


Wi-Fi 6

Wireless	Standard	802.11a/n/ac/ax 5GHz 802.11g/b/n/ax 2.4GHz
	Max. Data Rate	2.4GHz: 574Mbps/5GHz: 1201Mbps
	MIMO System	2T2R
	Antenna/Connector	2.4GHz: 7dBi / 5GHz: 7dBi
	Max. Range	indoor: 70m / outdoor: 300m
Hardware	Max. TX Power	EIRP < 22dBm
	Network Interface	1 x 10/100/1000BASE-T WAN 4 x 10/100/1000BASE-T LAN
	USB	—
Power Requirements	Power Requirements	12V DC, 1.0A
Operating Mode	Access Point	—
	Client Bridge	●
	WDS Bridge	—
	Repeater	—
	Universal Repeater	—
	WISP	●
Security	WEP	—
	WPA/WPA2	●
	802.1X	—
	WPS	●
WAN Type	Dynamic IP	●
	Static IP	●
	PPPoE/PPTP/L2TP	● / — / —
Advanced	Multiple SSIDs	2
	802.1Q VLAN	—
	Client Isolation	—
	DMZ	—
	Max. Wireless Clients	32+32 (2.4G+5G)
	WMM	●
	MAC Filtering	—
	Firewall	DoS, SPI Firewall, Port Filter, ACL Filter
	VPN	PPTP, L2TP, IPSec
	VPN Pass-through	●
	Guest Network	●
	IPv6	●
	SNMP	—
	PLANET DDNS	●
	Smart Discovery	●
Environment	Mesh	●
	Operating Temperature	0 ~ 40 degrees C
Environment	Operating Humidity	10 ~ 90% (non-condensing)

Indoor/Outdoor Wireless Accessories

Sector Antenna			Omni-directional Antenna			
Model	ANT-SE17D	ANT-SE17AD	ANT-OM5D-KIT	ANT-OM8	ANT-OM10A	ANT-OM15
Product Image						
Operating Environment	outdoor	outdoor	outdoor	outdoor	outdoor	outdoor
Type	Dual-polarity Sector Antenna	Dual-polarity Sector Antenna	Omni-directional	Omni-directional, General purpose	Omni-directional	Omni-directional, General purpose
Gain	2 x 16.5 dBi	2 x 17 dBi	2.4GHz: 4.5dBi 5GHz: 7dBi	8 dBi	10 dBi	15 dBi
Horizontal Beamwidth (degrees)	 90	 90	 360	 360	 360	 360
Vertical Beamwidth (degrees)	 7	 7	 80 (2.4GHz)  55 (5GHz)	 10	 6	 10
Connector	N-female x 2	N-female x 2	N-male (male pin)	N-female (female pin)	N-female (female pin)	N-female (female pin)
Mounting Type	Mast Mount	Mast Mount	N/A	Mast mount	Pole/Wall mount	Mast mount

Flat Panel Antenna					Cable & Others		Cable & Others	
Model	ANT-FP14D	ANT-FP14AD	ANT-FP18	ANT-FP18A	Model	WL-LTNA	Model	WL-NM-0.6
Product Image					Product Image		Product Image	
Operating Environment	outdoor	outdoor	outdoor	outdoor	Description	Lightning Arrester	Description	0.6m N-male (male pin) to N-male (male pin) Cable
Type	Uni-directional, Flat panel Dual Polarization		Uni-directional, Flat panel		Frequency	0~6GHz		
Gain	14 dBi	14dBi	18 dBi	18 dBi	Type	Gas Discharged		
Horizontal Beamwidth (degrees)	 30	 30	 30	 10	Gain Loss	Less than 0.5dB		
Vertical Beamwidth (degrees)	 30	 30	 20	 10	Max. Withstand Current	20KA		
Connector	N-female x2	N-female x 2	N-female (female pin)		Connector	N-male (male pin) to N-female (female pin)		
Mounting type	Mast mount	Mast mount	Wall mount	Pole/Wall mount				



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