



Wireless LANs

Empowering Mobility & Security

PLANET Wireless AP Management Solution

PLANET Wireless AP Management Solution offers multiple ways of central AP management with Hardware AP Controller, Software AP Controller and Firmware AP Controller. The solution enables you to control more than 500 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 portal-like view and efficient summary for your wireless APs network



Floor Map

Optimizing Wi-Fi Deployment with Floor Maps

Optimizes signal coverage to enhance network performance



Statistic

Real-time Graphical Statistics

Real-time monitoring to speed up network analysis



AP Provision

Easy to Manage Multiple Access Points

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



Indoor Managed Access Points



Wireless AP Controllers



Outdoor Managed Access Points

Wireless AP Controllers Solution

	Hardware AP Controller	Software AP Controller	Wireless Switch with PoE	UTM AP Controller	Firmware AP Controller
Model No./System Name	WAPC-500	SAPC	WAPC-1232HP/WAPC-2864HP	CS-950	NMS (Network Management System)
Product Image			 		
Max. number of APs supported	512	256	WAPC-1232HP: 32 WAPC-2864HP: 64	50	1 to 5 (the same model required)
AP Control related features					
AP Discovery	●	●	●	-	●
AP Control, Cluster Management	●	●	●	●	●
AP Status Monitoring	●	●	●	-	●
Real-time Graphical Statistics	●	●	●	-	-
SSID/RF Profile Creation	●	●	●	-	●
Profile Backup/Restore	●	●	-	-	-
Bulk AP Provisioning/Delivery	●	●	●	●	●
Bulk AP Firmware Upgrade	●	●	●	-	●
Floor Map	●	●	●	-	●
Google Map	● ¹	● ¹	-	-	-
Topology View	● ¹	● ¹	-	-	-
Rogue AP Detection	● ¹	● ¹	●	-	-
Built-in DHCP Server	-	-	●	●	-
Auto IP Assignment (DHCP server)	● ²	● ²	●	-	●
L2 Roaming	●	●	●	-	-
L3 Routing	-	-	●	●	-
PoE Schedule, Alive Check	-	-	●	-	-
SSIDs-to-VLANs mapping	●	●	●	●	●
802.1X RADIUS Authentication	● ³	● ³	-	-	●
Captive Portal	● ¹	● ¹	-	●	-
MAC Access Control (Black list)	● ¹	● ¹	-	●	●
User Account Management	● ¹	● ¹	-	●	●
Supported AP Models	Outdoor: WDAP-702AC WDAP-802AC WAP-200N WAP-252N WAP-500N WAP-552N WBS-200N WBS-500N WBS-502AC	Indoor: WDAP-C7200E WNAP-C3220E WNAP-W2200UE WDAP-C7200AC WDAP-W7200AC WNAP-C3220A WNAP-W2201A	Indoor: WDAP-C7200AC WDAP-W7200AC WNAP-C3220A WNAP-W2201A	Outdoor: WDAP-702AC WBS-200N WAP-200N	WDAP-C1750 WDAP-1750AC

*1. Future supported through firmware/patch upgrade

*2. DHCP server is required

*3. External RADIUS Server is required

*4. One acted as controller, the others acted as managed APs

Indoor Managed AP Series

Indoor 11ac Dual Band APs						Indoor 11n 2.4G APs				
Model	WDAP-1750AC	WDAP-C1750	WDAP-W7200AC	WDAP-C7200AC	WDAP-C7200E	WNAP-C3220A	WNAP-C3220E	WNAP-W2200UE	WNAP-W2201A	
Product Image										
	500mW	500mW	TAIWAN EXCELLENCE 2017 IP30	TAIWAN EXCELLENCE 2017	500mW	TAIWAN EXCELLENCE 2017		USB Charger	TAIWAN EXCELLENCE 2017	
Wireless	Standard	802.11a/b/g/n/ac	802.11a/b/g/n/ac	802.11a/b/g/n/ac	802.11a/b/g/n/ac	802.11a/b/g/n/ac	802.11b/g/n	802.11b/g/n	802.11b/g/n	802.11b/g/n
	Max. Data Rate	450+1300Mbps	450+1300Mbps	300+867Mbps	300+867Mbps	300+867Mbps	300Mbps	300Mbps	300Mbps	300Mbps
	MIMO System	3T3R	3T3R	2T2R	2T2R	2T2R	2T2R	2T2R	2T2R	2T2R
	Antenna/Connector	2dBi x3	2.4G: 4dBi/5G: 5dBi	5dBi x4	2.4G: 2.5dBi 5G: 4dBi	5dBi x2	2dBi x2	5dBi x2	2dBi x2	3dBi x2
	Max. TX Power	FCC: < 27.5dBm ETSI: EIRP < 20dBm	FCC: < 27.5dBm ETSI: EIRP < 20dBm	FCC: < 23dBm ETSI: EIRP < 20dBm	FCC: < 23dBm ETSI: EIRP < 20dBm	FCC: < 27dBm ETSI: EIRP < 20dBm	EIRP < 20dBm	FCC: < 23dBm ETSI: EIRP < 20dBm	EIRP < 20dBm	EIRP < 20dBm
Hardware	Network Interface	2 x 10/100/1000BASE-T (LAN2 PoE Out)	1 x 10/100/1000BASE-T	1 x 10/100/1000BASE-T	1 x 10/100/1000BASE-T	2 x 10/100/1000BASE-T	1 x 10/100BASE-TX	1 x 10/100BASE-TX	2 x 10/100BASE-TX	2 x 10/100BASE-TX
	USB	-	1 x Micro USB 2.0	-	-	-	-	-	1 x USB 2.0 charger	-
	PoE	802.3at PoE+	802.3at PoE+	802.3at PoE+	802.3at PoE+	802.3at PoE+	802.3af/at PoE	802.3af/at PoE	802.3af/at PoE	802.3af/at PoE
	Power Requirements	12V DC, 4A or 802.3at PoE+	12V DC, 2A or 802.3at PoE+	802.3at PoE+	802.3at PoE+	12V DC, 1.5A or 802.3at PoE+	48V 802.3af PoE	48V 802.3af PoE	48V 802.3af PoE	48V 802.3af PoE
Operating Mode	Access Point	●	●	●	●	●	●	●	●	●
	Client Bridge	-	-	●	●	-	●	-	-	●
	WDS Bridge	●	●	●	●	-	●	-	-	●
	Repeater	●	●	●	●	-	●	-	-	●
	Universal Repeater	-	-	●	●	●	●	●	●	●
	WISP	-	-	-	-	●	-	●	-	-
Security	WEP	64-/128-bit	64-/128-bit	64-/128-bit	64-/128-bit	64-/128-bit	64-/128-bit	64-/128-bit	64-/128-bit	64-/128-bit
	WPA/WPA2	●	●	●	●	●	●	●	●	●
	802.1X	●	●	●	●	●	●	●	●	●
	WPS	●	●	●	●	-	●	-	-	●
Advanced	Multiple SSIDs	16 per radio	16 per radio	5 per radio	5 per radio	4	5	4	4	5
	802.1Q VLAN	●	●	-	-	●	-	●	●	-
	AP Isolation	●	●	●	●	●	●	●	●	●
	Max. Wireless Clients	50+50 (2.4G+5G)	50+50 (2.4G+5G)	32+32 (2.4G+5G)	32+32 (2.4G+5G)	50+50 (2.4G+5G)	32	30	20	32
	WMM	●	●	●	●	●	●	●	●	●
	MAC Filtering	●	●	●	●	●	●	●	●	●
	Guest Network	-	-	-	-	-	-	-	-	-
	IPv6	-	-	-	-	-	-	-	-	-
	SNMP	●	●	●	●	●	●	●	●	●
	L2 Roaming	-	-	●	●	-	●	-	-	●
Environment	Smart Discovery	●	●	●	●	●	●	●	●	●
	Operating Temperature	0 ~ 50 degrees C	0 ~ 50 degrees C	-10 ~ 60 degrees C	0 ~ 50 degrees C	0 ~ 55 degrees C	0 ~ 50 degrees C	0 ~ 40 degrees C	0 ~ 40 degrees C	-10 ~ 45 degrees C
Management	Operating Humidity	10 ~ 90% (non-condensing)					10 ~ 90% (non-condensing)			
	Applicable Controllers	Firmware NMS System		WAPC-500 SAPC WAPC-1232HP WAPC-2864HP		WAPC-500 SAPC	WAPC-500 SAPC WAPC-1232HP WAPC-2864HP	WAPC-500 SAPC	WAPC-500 SAPC WAPC-1232HP WAPC-2864HP	

Wireless Presentation Gateways

Wireless Presentation Gateways

Model

WIPG-300H

Product Image



1080P

Wireless	Standard	802.11a/b/g/n	
	Max. Data Rate	300Mbps	
	Operation Mode	AP, Universal Repeater	
	Antenna	2dBi x2	
Hardware	Video/Audio Interface	HDMI: 1.4b Video: VGA Port (D-Sub 15-Pin female) Audio Out: 3.5mm stereo jack	
	Network Interface	1 x 10/100Base-TX RJ45	
	Power Requirements	5V DC, 2.6A	
	USB	3 x USB 2.0 (Rear USB: for VoIP)	
Security	WEP	64-/128-bit	
	WPA/WPA2	•	
Resolution	HDMI Interface	720p(1280x720)/1080i(1920x1080)/1080p(1920x1080)	
	VGA Interface	SVGA(800x600)/XGA(1024x768)/WXGA(1280x768)/ WXGA(1280x800)/WXGA(1360x768)/WXGA+(1440x900)/ UXGA(1600x1200)	
Advanced	VoIP (USB Over IP)	•	
	Max. Wireless Clients	64 (Suggested 15)	
	MirrorOp Sender	Windows	Mac
	4-to-1 Projection	•	•
	Audio Projection	•	• ¹
	Document/Photo/Video Projection	•	•
	Virtual Extended Desktop	•	•
	Conference Control/User List	•	•
	Gatekeeper	•	•
	Webslides	•	•
	Compatibility	Windows 7/8/10	Mac OS X 10.9 and above
	MirrorOp Presenter	Android	iOS
	4-to-1 Split Screen	•	•
	Document/Photo/Video Projection	•	•
	SidePad ²	•	•
	Compatibility	Android 4.1 and above	iOS 8.0 and above

*1. Extra utility required

*2. MirrorOp Receiver is required



High Quality Wireless Projection & Video Streaming



Education

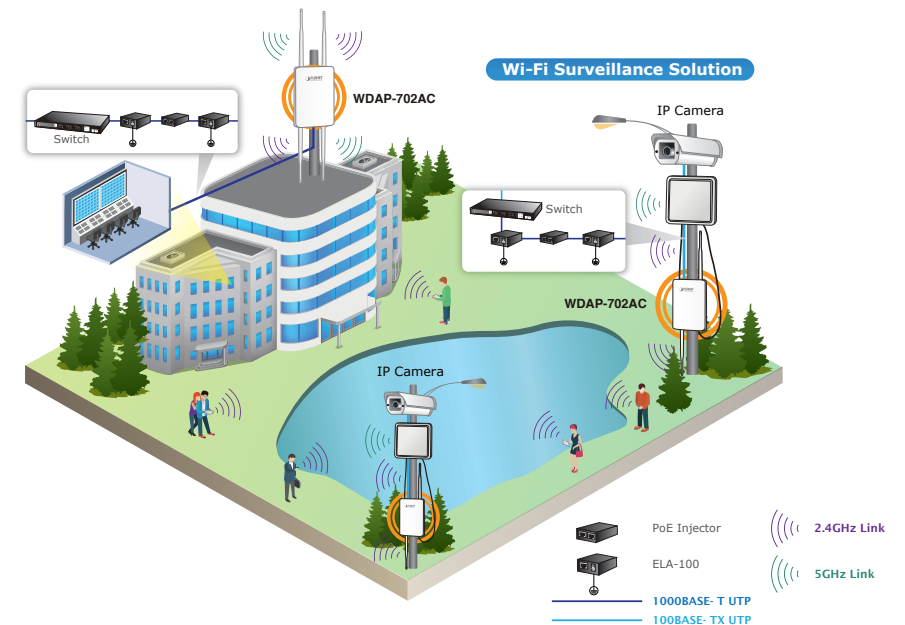
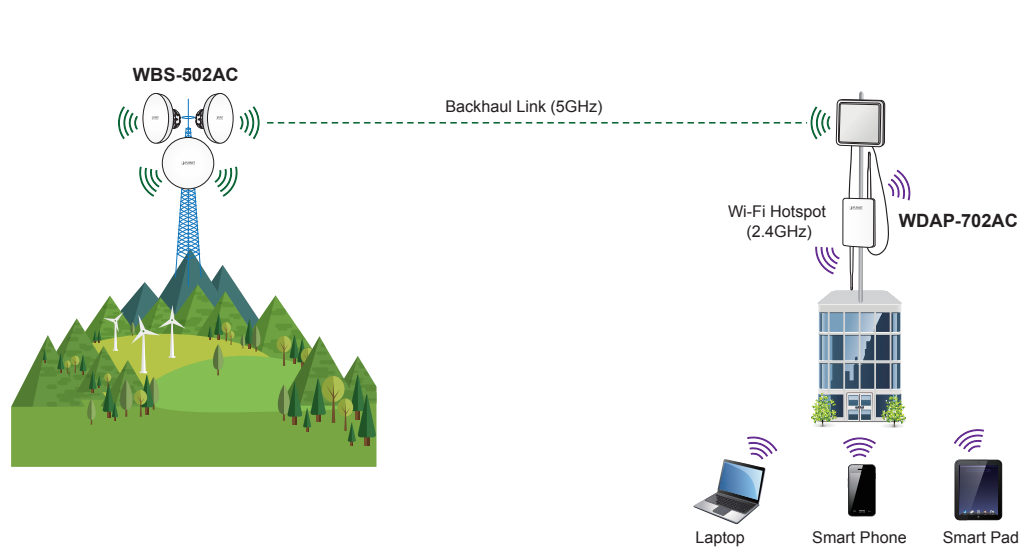


Office

Outdoor Wi-Fi Networking

Outdoor Wi-Fi LAN Solution

PLANET outdoor Wi-Fi LAN solution designed for campuses, residences, business buildings, and more features point-to-point and point-to-multipoint wireless networking. It is suitable for wide-ranging connectivities.



Outdoor IP68/IP67 PoE Wireless Access Points

		11ac Dual Band APs		11n Dual Band AP
Model		WDAP-802AC	WDAP-702AC	WDAP-8350
Product Image		 IP68	 11ac Wave2	 IP66
Outdoor IP Level		IP68	IP55	IP66
Wireless	Standard	802.11a/b/g/n/ac	802.11a/b/g/n/ac	802.11a/b/g/n
	Max. Data Rate	300+867Mbps	400+867Mbps	300+300Mbps
	Antenna/Connector	4 x N-Type (F)	4 x RP-SMA (F) 5dBi omni antennas included	4 x N-Type (F)
	Max. Range	Depends on antenna	Up to 2 km with 5dBi omni	Depends on antenna
	Max. TX Power	FCC : < 25dBm ETSI : EIRP < 20dBm	FCC : < 26dBm ETSI : EIRP < 20dBm	FCC : < 27dBm ETSI : EIRP < 20dBm
Hardware	Network Interface	1 x 10/100/1000BASE-T	2 x 10/100/1000BASE-T	1 x 10/100/1000BASE-T
	PoE	802.3at PoE+	24V Passive PoE	802.3at PoE+
Operating Mode	Access Point	●	●	●
	Client Bridge	-	●	-
	WDS Bridge	●	●	●
	Repeater	-	-	-
	Universal Repeater	●	-	-
	WISP	●	-	-
Security	WEP	64-/128-bit	64-/128-/152-bit	64-/128-bit
	WPA/WPA2	●	●	●
	802.1X	●	●	●
WAN Type (In WISP Mode)	Dynamic IP	●	-	-
	Static IP	●	-	-
	PPPoE/PPTP/L2TP	●/-/-	-	-
Advanced	Multiple SSIDs	4+4 (2.4G+5G)	8+8 (2.4G+5G)	16+16 (2.4G+5G)
	802.1Q VLAN	●	●	●
	AP Isolation	●	●	●
	Max. WDS Peers	4	8+8 (2.4G+5G)	16+16 (2.4G+5G)
	Max. Wireless Clients	50+50 (2.4G+5G)	50+50 (2.4G+5G)	50+50 (2.4G+5G)
	WMM	●	●	●
	MAC Filtering	●	●	-
	Firewall	●	-	-
	VPN Pass-through	●	●	-
	Guest Network	-	●	-
	IPv6	-	●	●
	SNMP	●	●	-
	L2 Roaming	-	802.11k/r fast roaming	-
	Smart Discovery	●	●	●
Environment	Operating Temperature	-40 ~ 70 degrees C	-20 ~ 70 degrees C	-40 ~ 70 degrees C
	Operating Humidity	10 ~ 95% (non-condensing)	10 ~ 90% (non-condensing)	10 ~ 95% (non-condensing)
Management	Applicable Controllers	WAPC-500 SAPC	WAPC-500 CS-950 SAPC	-

2.4GHz Outdoor Wireless Access Points

		11n 2.4G APs/CPE			
Model		WAP-252N	WAP-200N	WBS-200N	WNAP-6335
Product Image		 IP67		 8dBi	
Outdoor IP Level		IP67	IP55	IP55	IP55
Wireless	Standard	802.11b/g/n	802.11b/g/n	802.11b/g/n	802.11b/g/n
	Max. Data Rate	300Mbps	300Mbps	300Mbps	300Mbps
	Antenna/Connector	2 x N-Type (F)	2 x RP-SMA (F) 5dBi omni antennas included	8dBi dual-polarity FP	2 x RP-SMA (F)
	Max. Range	Depends on antenna	Up to 2 km with 5dBi omni	Up to 5km	Up to 10km with 14dBi FP
	Max. TX Power	FCC : 29dBm ETSI : EIRP < 20dBm	FCC : 26dBm ETSI : EIRP < 20dBm		FCC : 25dBm ETSI : EIRP < 20dBm
Hardware	Network Interface	1 x 10/100BASE-TX	2 x 10/100BASE-TX	2 x 10/100BASE-TX	2 x 10/100BASE-TX
	PoE	802.3af/at PoE	24V Passive PoE		
Operating Mode	Access Point	●	●	●	●
	Client Bridge	-	●	●	●
	WDS Bridge	●	●	●	●
	Repeater	-	●	●	-
	Universal Repeater	●	-	-	-
	WISP	●	●	●	●
Security	WEP	64-/128-bit	64-/128-/152-bit	64-/128-/152-bit	64-/128-bit
	WPA/WPA2	●	●	●	●
	802.1X	●	●	●	●
WAN Type (In WISP Mode)	Dynamic IP	●	●	●	●
	Static IP	●	●	●	●
	PPPoE/PPTP/L2TP	●/-/-	●/●/-	●/●/-	●/-/-
Advanced	Multiple SSIDs	4	4	4	-
	802.1Q VLAN	●	●	●	-
	AP Isolation	●	●	●	●
	Max. WDS Peers	4	4	4	8
	Max. Wireless Clients	50	32	32	25
	WMM	●	●	●	●
	MAC Filtering	●	●	●	●
	Firewall	●	●	●	●
	VPN Pass-through	●	●	●	-
	Guest Network	-	-	-	-
	IPv6	-	●	●	-
	SNMP	●	●	●	●
	L2 Roaming	-	-	-	-
	Smart Discovery	●	●	●	●
Environment	Operating Temperature	-40 ~ 70 degrees C			
	Operating Humidity	10 ~ 95% (non-condensing)	10 ~ 90% (non-condensing)	10 ~ 90% (non-condensing)	10 ~ 95% (non-condensing)
Management	Applicable Controllers	WAPC-500 SAPC	WAPC-500 CS-950 SAPC		-

5GHz Outdoor Wireless Access Points

		11ac 5G AP/CPE		11n 5G APs/CPE			
Model		WBS-502AC	WAP-252N	WAP-500N	WBS-500N	WNAP-7325	WNAP-7335
Product Image							
		11ac	IP67		10dBi	14dBi	
Outdoor IP Level		IP55	IP67	IP55	IP55	IP55	IP55
Wireless	Standard	802.11a/n/ac	802.11a/n	802.11a/n	802.11a/n	802.11a/n	802.11a/n
	Max. Data Rate	867Mbps	300Mbps	300Mbps	300Mbps	300Mbps	300Mbps
	Antenna/Connector	19dBi dual-polarity FP	2 x N-Type (F)	2 x RP-SMA (F) 5dBi omni antennas included	10dBi dual-polarity FP	14dBi dual-polarity FP	2 x RP-SMA (F)
	Max. Range	Up to 15km	Depends on antenna	Up to 2 km diameter with 5dBi omni	Up to 5km	Up to 10km	Up to 10km with 14dBi FP
	Max. TX Power	FCC : 26dBm ETSI : EIRP < 20dBm	FCC : 27dBm ETSI : EIRP < 20dBm	FCC : 26dBm ETSI : EIRP < 20dBm	FCC : 26dBm ETSI : EIRP < 20dBm	FCC : 25dBm ETSI : EIRP < 20dBm	FCC : 25dBm ETSI : EIRP < 20dBm
Hardware	Network Interface	2 x 10/100/1000BASE-T	1 x 10/100BASE-TX	2 x 10/100BASE-TX	2 x 10/100BASE-TX	2 x 10/100BASE-TX	2 x 10/100BASE-TX
	PoE	802.3at PoE+	802.3af/at PoE	24V Passive PoE	24V Passive PoE	24V Passive PoE	24V Passive PoE
Operating Mode	Access Point	●	●	●	●	●	●
	Client Bridge	●	-	●	●	●	●
	WDS Bridge	●	●	●	●	●	●
	Repeater	-	-	●	●	-	-
	Universal Repeater	-	●	-	-	-	-
Security	WISP	●	●	●	●	●	●
	WEP	64-/128-/152-bit	64-/128-bit	64-/128-/152-bit	64-/128-/152-bit	64-/128-bit	64-/128-bit
	WPA/WPA2	●	●	●	●	●	●
WAN Type (In WISP Mode)	802.1X	●	●	●	●	●	●
	Dynamic IP	●	●	●	●	●	●
	Static IP	●	●	●	●	●	●
Advanced	PPPoE/PPTP/L2TP	●/●/-	●/-/-	●/●/-	●/●/-	●/-/-	●/-/-
	Multiple SSIDs	8	4	4	4	-	-
	802.1Q VLAN	●	●	●	●	-	-
	AP Isolation	●	●	●	●	●	●
	Max. WDS Peers	8	4	4	4	8	8
	Max. Wireless Clients	32	50	32	32	25	25
	WMM	●	●	●	●	●	●
	MAC Filtering	●	●	●	●	●	●
	Firewall	●	●	●	●	●	●
	VPN Pass-through	●	●	●	●	-	-
	Guest Network	●	-	-	-	-	-
	IPv6	●	-	●	●	-	-
	SNMP	●	●	●	●	●	●
	L2 Roaming	-	-	-	-	-	-
	Smart Discovery	●	●	●	●	●	●
Environment	Operating Temperature	-20 ~ 70 degrees C	-40 ~ 70 degrees C	-20 ~ 70 degrees C	-20 ~ 70 degrees C	-20 ~ 70 degrees C	-20 ~ 70 degrees C
	Operating Humidity	10 ~ 90% (non-condensing)	10 ~ 95% (non-condensing)	10 ~ 90% (non-condensing)		10 ~ 95% (non-condensing)	
Management	Applicable Controllers	WAPC-500 SAPC	WAPC-500 SAPC	WAPC-500 SAPC	WAPC-500 SAPC	-	-

Home & SOHO Wi-Fi Networking

PLANET makes your home networking easier and more compact with 802.11ac solution. Simply install an 802.11ac compatible wireless router, WDRT-1202AC, in the house, and its wide coverage and stable quality will definitely offer you a seamless and impressive wireless roaming experience. From now on, you can surf the web, enjoy multimedia streaming and share files wirelessly without any limitation.



A



WDRT-1202AC

1200Mbps 802.11ac Dual Band
Wireless Gigabit Router

B



WRE-1200

1200Mbps 802.11ac Dual Band
Range Extender

C



ICA-W7100

720p Wireless IR PT IP Camera

802.11ac Dual Band Wireless Routers

Dual-Band APs/Routers			
Model	WDRT-1202AC	WDRT-1200AC	

Product Image



		Guest Network	USB 3.0
		802.11a/b/g/n/ac	802.11a/b/g/n/ac
Wireless	Standard	802.11a/b/g/n/ac	802.11a/b/g/n/ac
	Max. Data Rate	300+867Mbps	300+867Mbps
	MIMO System	2T2R	2T2R
	Antenna/Connector	2.4G: 5dBi 5G: 5dBi	2.4G: 1.8dBi 5G: 3.8dBi
	Max. Range	indoor: 70m outdoor: 300m	
	Max. TX Power	EIRP < 20dBm	EIRP < 20dBm
Hardware	Network Interface	1 x 10/100/1000BASE-T WAN 4 x 10/100/1000BASE-T LAN	
	USB	1 x USB 2.0 for storage, DLNA	1 x USB 3.0 for storage, printer
	Power Requirements	12V DC, 1.5A	12V DC, 1.5A
Operating Mode	Access Point	●	●
	Client Bridge	-	-
	WDS Bridge	-	●
	Repeater	-	●
	Universal Repeater	-	-
	WISP	-	-
Security	WEP	-	64-/128-bit
	WPA/WPA2	●	●
	802.1X	-	-
	WPS	●	●
WAN Type	Dynamic IP	●	●
	Static IP	●	●
	PPPoE/PPTP/L2TP	●/●/●	●/●/●
	Multiple SSIDs	2	3
Advanced	802.1Q VLAN	● (WAN only)	-
	AP Isolation	-	●
	DMZ	●	●
	Max. Wireless Clients	32+32 (2.4G+5G)	32+32 (2.4G+6G)
	WMM	●	●
	MAC Filtering	●	●
	Firewall	●	●
	VPN	L2TP over IPSec	-
	VPN Pass Thru.	●	●
	Guest Network	●	-
	IPv6	●	-
	SNMP	-	-
	PLANET DDNS	●	●
	Smart Discovery	-	-
Environment	Operating Temperature	0 ~ 40 degrees C	0 ~ 45 degrees C
	Operating Humidity	10 ~ 90% (non-condensing)	

Wireless Range Extenders

APs/Repeaters			
Model	WRE-1200	PL-510W	

Product Image



		Dual Band	30MHz	2.4GHz
Wireless	Standard	802.11a/b/g/n/ac	802.11b/g/n	
	Max. Data Rate	300+867Mbps	300Mbps	
	MIMO System	2T2R	2T2R	
	Antenna/Connector	2.4G: 2dBi 5G: 4dBi	2.5dBi x2	
	Max. Range	indoor: 70m outdoor: 300m		
	Max. TX Power	EIRP < 20dBm	EIRP < 20dBm	
Hardware	Network Interface	1 x 10/100/1000BASE-T	1 x 10/100BASE-TX HomePlug AV 200Mbps	
	USB	-	-	
	Power Requirements	100-240V AC, 50/60Hz		
Operating Mode	Access Point	●	●	
	Client Bridge	●	-	
	WDS Bridge	-	-	
	Repeater	-	-	
	Universal Repeater	●	-	
	WISP	-	-	
Security	WEP	64-/128-bit	64-/128-bit	
	WPA/WPA2	●	●	
	802.1X	●	-	
	WPS	●	●	
WAN Type	Dynamic IP	-	-	
	Static IP	-	-	
	PPPoE/PPTP/L2TP	-	-	
Advanced	Multiple SSIDs	-	-	
	802.1Q VLAN	-	-	
	AP Isolation	-	-	
	DMZ	-	-	
	Max. Wireless Clients	32+32 (2.4G+5G)	10	
	WMM	●	●	
	MAC Filtering	●	●	
	Firewall	-	-	
	VPN	-	-	
	VPN Pass Thru.	-	-	
	Guest Network	-	-	
	IPv6	-	-	
	SNMP	-	-	
	PLANET DDNS	-	-	
Environment	Smart Discovery	●	-	
	Operating Temperature	0 ~ 40 degrees C		
	Operating Humidity	10 ~ 90% (non-condensing)		



**Enjoy Full Coverage of Stable
Wireless Connection**

Bedroom



802.11n Wireless Routers

11n AP/Router			
Model		WNRT-300	FRT-415N
Product Image			
		Portable	Fiber
Wireless	Standard	802.11b/g/n	802.11b/g/n
	Max. Data Rate	150Mbps	300Mbps
	MIMO System	1T1R	2T2R
	Antenna/Connector	2dBi	5dBi x2
	Max. Range	indoor: 70m outdoor: 300m	
	Max. TX Power	EIRP < 20dBm	EIRP < 20dBm
Hardware	Network Interface	1 x 10/100BASE-TX	4 x 10/100BASE-TX LAN 1 x 100BASE-FX SFP
	Mobile Network	-	-
	USB	Mini-USB for power/charging	-
	Power Requirements	5V DC, 1A Built-in Li-ion Battery	12V DC, 0.5A
Operating Mode	Access Point	●	●
	Client Bridge	●	-
	WDS Bridge	●	●
	Repeater	●	-
	Universal Repeater	●	-
	WISP	●	-
Security	WEP	64-/128-bit	64-/128-bit
	WPA/WPA2	●	●
	802.1X	●	●
	WPS	●	●
WAN Mode	Dynamic IP	●	●
	Static IP	●	●
	PPPoE/PPTP/L2TP	●	●
	Multiple SSIDs	4	4
Advanced	802.1Q VLAN	-	-
	AP Isolation	●	-
	DMZ	●	●
	Max. Wireless Clients	20	16
	WMM	●	●
	MAC Filtering	●	●
	Firewall	●	●
	VPN	-	-
	VPN Pass Thru.	●	●
	Guest Network	-	-
	IPv6	-	-
	SNMP	-	-
	PLANET DDNS	●	●
	Smart Discovery	-	-
Environment	Operating Temperature	0 ~ 40 degrees C	
	Operating Humidity	10 ~ 90% (non-condensing)	

3G/4G Wireless AP Routers

3G/4G 11n AP Router		3G/VDSL2 AP Routers	
Model	WNRT-617G	VDR-300NU	VDR-301N

Product Image



		3G	4G	3G	VDSL2	VDSL2	ADSL2+
Wireless	Standard	802.11b/g/n		802.11a/b/g/n		802.11b/g/n	
	Max. Data Rate	150Mbps		300Mbps		300Mbps	
	MIMO System	1T1R		2T2R		2T2R	
	Antenna/Connector	5dBi		2.4G: 2.5dBi 5G: 2dBi		4dBi x2	
	Max. Range	indoor: 70m outdoor: 300m					
	Max. TX Power	EIRP < 20dBm		EIRP < 20dBm		EIRP < 20dBm	
Hardware	Network Interface	4 x 10/100BASE-TX LAN 1 x 100BASE-TX RJ45 WAN				4 x 10/100BASE-TX LAN 1 x 1000BASE-T RJ45 WAN 1 x RJ11	
	Mobile Network	UMTS/HSDPA/EVDO		UMTS/HSDPA		-	
	USB	USB for 3G/4G adapter		2 x USB 2.0 for storage/printer/3G		-	
	Power Requirements	9V DC, 0.85A		12V DC, 2A		12V DC, 0.5A	
Operating Mode	Access Point	●		●		●	
	Client Bridge	-		-		-	
	WDS Bridge	●		-		-	
	Repeater	●		●		-	
	Universal Repeater	-		-		-	
	WISP	-		-		-	
Security	WEP	64-/128-bit		64-/128-bit		64-/128-bit	
	WPA/WPA2	●		●		●	
	802.1X	●		●		●	
	WPS	●		●		●	
WAN Mode	Dynamic IP	●		●		●	
	Static IP	●		●		●	
	PPPoE/PPTP/L2TP	●/●/●		●/-/-		●/-/-	
Advanced	Multiple SSIDs	-		2		4	
	802.1Q VLAN	-		-		● (WAN only)	
	AP Isolation	●		-		-	
	DMZ	●		●		●	
	Max. Wireless Clients	20		16		16	
	WMM	●		-		●	
	MAC Filtering	●		●		●	
	Firewall	●		●		●	
	VPN	-		●		●	
	VPN Pass Thru.	●		-		●	
	Guest Network	-		-		-	
	IPv6	-		-		●	
	SNMP	-		●		-	
	PLANET DDNS	●		●		●	
	Smart Discovery	●		-		-	
Environment	Operating Temperature	0 ~ 40 degrees C					
	Operating Humidity	10 ~ 90% (non-condensing)					

802.11ac/n Wireless Adapter

11ac USB Adapter	
Model	WDL-U601AC

Product Image



		11ac
Wireless	Standard	802.11a/b/g/n/ac
	Max. Data Rate	150+433Mbps
	MIMO System	1T1R
	Antenna/Connector	2.4G: 2dBi 5G: 4dBi
	Max. Range	indoor: 70m outdoor: 300m
	Max. TX Power	EIRP < 20dBm
Operating Mode	Infrastructure	●
	Ad-Hoc	-
	Soft-AP	-
Security	WEP	64-/128-bit
	WPA/WPA2	●
	802.1X	●
	WPS	●
Environment	Power Saving Mode	●
	WMM Support	●
	Compatibility	Windows XP/Vista/7/8/10 Mac OS X 10.7/10.8/10.9/10.10 Linux Kernel 2.6.18~3.16.0
	Operating Temperature	0 ~ 40 degrees C
	Operating Humidity	10 ~ 90% (non-condensing)

Outdoor Wireless Accessories



5GHz Outdoor Antennas					
Model	ANT-FP23A	ANT-FP18A	ANT-FP14AD	ANT-SE17A	ANT-OM10A
Product Image					
Operating Environment	outdoor	outdoor	outdoor	outdoor	outdoor
Type	Uni-directional, Flat panel	Uni-directional, Flat panel	Uni-directional Flat panel Dual Polarization	Uni-directional, Sector	Omni-directional
Gain	23 dBi	18 dBi	14dBi	16.5 dBi	10 dBi
Horizontal Beamwidth (degrees)	 9	 10	 30	 120	 360
Vertical Beamwidth (degrees)	 9	 10	 30	 10	 6
Connector	N-female (female pin)		N-female x 2	N-female (female pin)	N-female (female pin)
Mounting type	Pole/Wall mount	Pole/Wall mount	Mast Mount	Mast or Wall mount	Pole/Wall mount

Lightning Arrester	
Model	WL-LTNA
Product Image	
Description	Lightning Arrester
Frequency	0~6GHz
Type	Gas Discharged
Gain Loss	Less than 0.5dB
Max. Withstand Current	20KA
Connector	N-male (male pin) to N-female (female pin)

Wireless LAN Cables						
Model	WL-SMA-0.6	WL-SMA-6	WL-N-0.6	WL-NM-0.6	WL-MF-0.6	WL-MMC
Product Image						
Description	0.6m Reverse SMA (Male) to N-male (male pin) Cable	6m Reverse SMA (Male) to N-male (male pin) Cable	0.6m N-male (female pin) to N-male (male pin) Cable	0.6m N-male (male pin) to N-male (male pin) Cable	0.6m N-male (male pin) to N-female (female pin) Cable	0.3m MMCX to SMA Cable

Indoor/Outdoor Wireless Accessories

2.4GHz Antennas					
Model	ANT-FP9	ANT-FP14D	ANT-FP18	ANT-SE18	ANT-GR21
Product Image					
Operating Environment	outdoor	outdoor	outdoor	outdoor	outdoor
Type	Uni-directional, Flat panel	Uni-directional Flat panel Dual Polarization	Uni-directional, Flat panel	Uni-directional, Sector	Uni-directional, Grid
Gain	9 dBi	14 dBi	18 dBi	12~18 dBi	21 dBi
Horizontal Beamwidth (degrees)	 75	 30	 30	 60-120 adjustable	 8
Vertical Beamwidth (degrees)	 75	 30	 20	 10	 5
Connector	N-female (female pin)	N-female x2	N-female (female pin)	N-female (female pin)	N-female (female pin)
Mounting Type	Wall mount	Mast Mount	Wall mount	Mast or Wall mount	Mast mount

2.4GHz Antennas			
Model	ANT-OM15	ANT-OM8	ANT-OM9
Product Image			
Operating Environment	outdoor	outdoor	indoor
Type	Omni-directional, General purpose	Omni-directional, General purpose	Omni-directional, General purpose
Gain	15 dBi	8 dBi	9 dBi
Horizontal Beamwidth (degrees)	 360	 360	 360
Vertical Beamwidth (degrees)	 10	 10	 15-18
Connector	N-female (female pin)	N-female (female pin)	RP-SMA(M)
Mounting Type	Mast mount	Mast mount	N/A



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