PA2200

Tri-band Access Point
Max performance
Cloud managed

PA2200

2.4 GHz 802.11n and 2x 5 GHz 802.11ac Wave 2 concurrent WiFi

Zero Config Plug-n-Play

Free cloud-based web console for complete management

Universal installation kit included

TRI-BAND ACCESS POINT

Plasma Cloud's response to high performance requirements. This tri-band (1x 2.4GHz & 2x 5GHz) 802.11ac WiFi AccessPoint offers maximum throughput by leveraging the full WiFi spectrum concurrently. The PA2200 shines best in high density and high throughput demand scenarios.

POWER OVER ETHERNET (PoE)

Power over Ethernet (PoE) allows to supply a device with power and data over a single Ethernet cable connection. This reduces installation cost and effort for locations without available power lines. Furthermore, when connected to a Plasma Cloud PoE switch, PoE allows to centrally manage & monitor the power supply.

ETHERNET PORTS

The 2 provided Ethernet ports allow for maximum flexibility: one port can be used as wired uplink while the other port serves as LAN access for other wired devices. Each Ethernet port comes with a smart uplink detection to automatically determining whether a port should be uplink or provide LAN access.

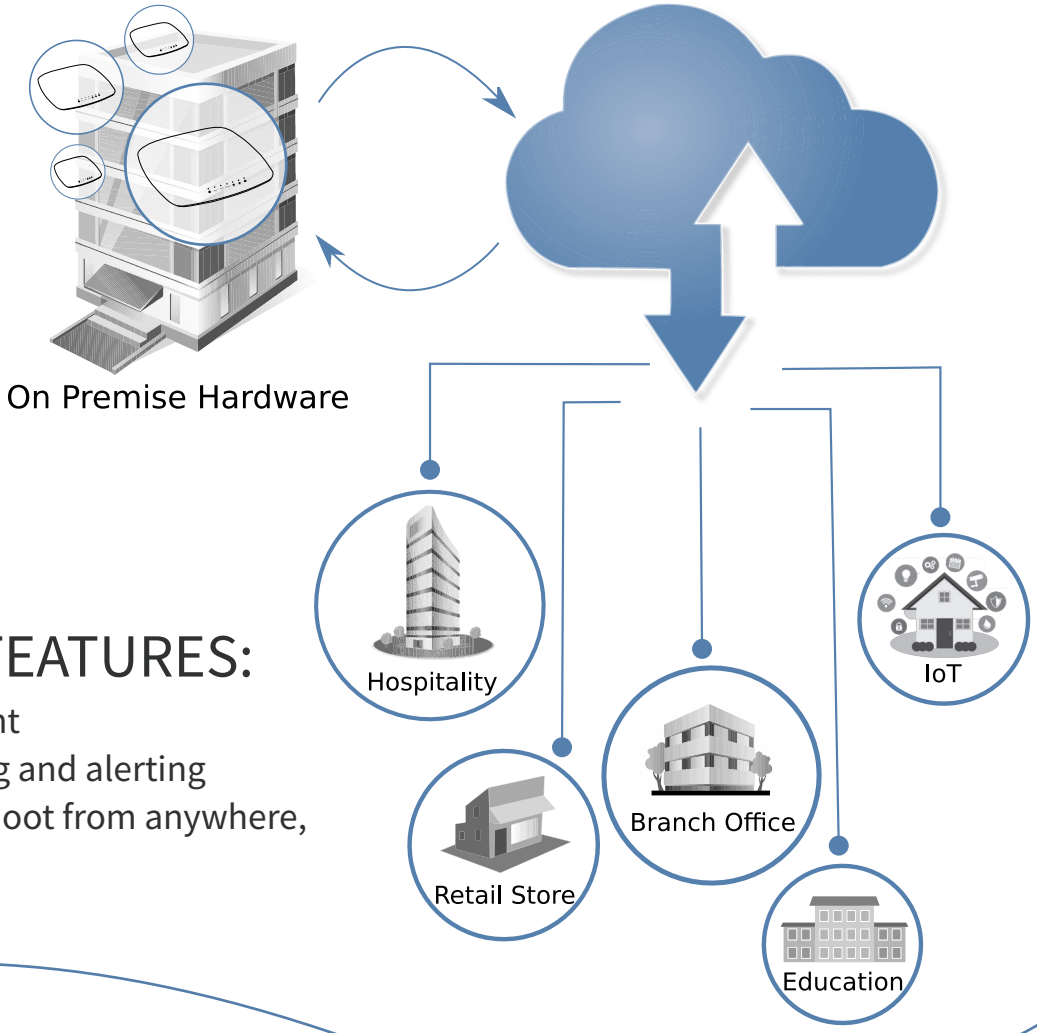
MOUNTING OPTIONS

Regardless where to place the access points – on a wall or ceiling grid – the installer kit included with every AccessPoint facilitates the installation. Easily pluggable mounting options got you covered for every scenario.

NETWORK AS A SERVICE (NaaS)

HIGHLIGHTS:

- Access Control
- Presence Data
- Guest WiFi
- Advertising
- Proximity Marketing
- VPN



CLOUD KEY FEATURES:

- Zero touch deployment
- Automated monitoring and alerting
- Manage and troubleshoot from anywhere, anytime

INDUSTRY LEADING SOFTWARE AND PRODUCTS

Affordable Network Solution

Plasma Cloud offers an affordable turnkey solution to cover all needs in and around your network. WiFi Access Points and Switches in various sizes to fit your needs & budget bundled with free & powerful cloud management.

Best In-Class Cloud

Plasma Cloud's technology team has built the fastest and most scalable network management cloud system. Our experts have put in their combined experience to develop a truly unique product that will impress you in many ways.

Simplicity is Key

Plasma Cloud is designed for the needs of those tired of endless manual tweaking and cumbersome monitoring. Our smart software is designed to minimize setup effort to the essential and get you started in no time!

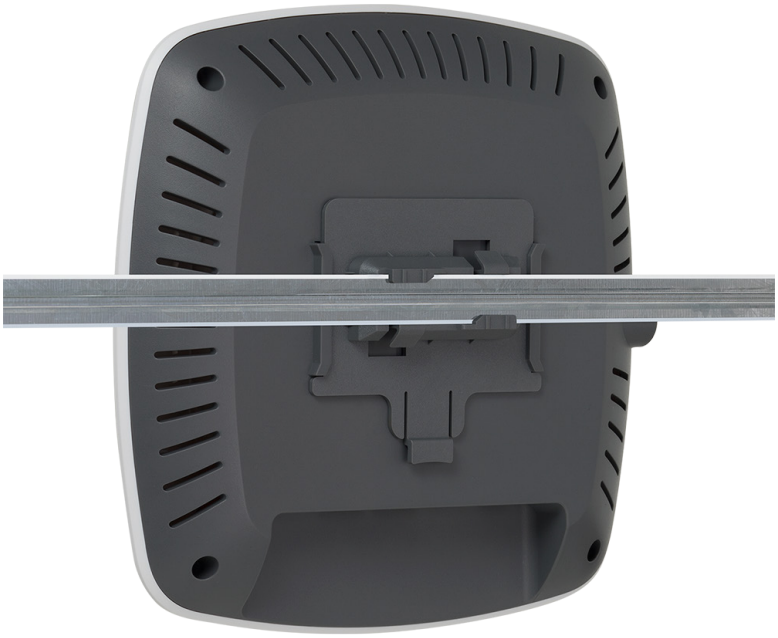
White-Label Dashboard

Our dashboard is the reference web interface. It is designed to be highly customizable, both for branding and adaptation purposes as well as for the end-user.

MOUNTING OPTIONS

INDOOR ONLY

Wall Mount



T-rail Mount

TECHNICAL SPECIFICATIONS

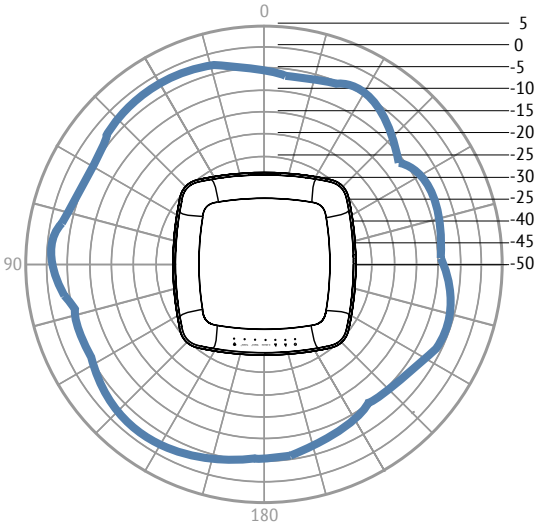
Radio Chains / Streams	2.4 GHz : 2x2 5 GHz : 2x2 + 2x2
Antennas	2.4 GHz : 5.0 dBi 5 GHz : 5.0 dBi
Data Rates	300 Mbps + 867 Mbps + 867 Mbps
2.4 GHz	2 stream, 802.11 b/g/n (max rate : 300 Mbps)
5 GHz	2 stream, 802.11 a/b/g/n/ac (max rate: 867 Mbps) Wave 2, MU-MIMO + 2 stream, 802.11 a/b/g/n/ac (max rate: 867 Mbps) Wave 2, MU-MIMO
Processor	Qualcomm Dakota IPQ4019
Memory	256 MB DRAM DDR3
Physical Interface	2x 1000Mbps Ethernet ports
PoE	802.3at
DC Jack	12V / 2A
Power Consumption	Min : 11W Max : 20W
Indoor / Outdoor Rating	recommended indoor device
Dimension (W x D x H)	200 x 200 x 45 mm
Weight	902 g
Operating Temperature	0 °C ~ 40 °C (32 °F ~ 104 °F)
Certifications	CE, FCC, IC, RCM
Zero Config Plug-n-Play	Yes
Wireless Mesh Network	Yes
Free Cloud Console	Yes
Free Mobile App	Yes

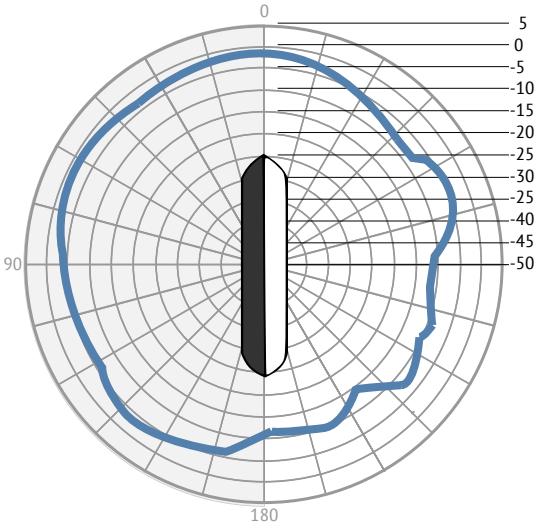
RADIO 1, 2.4 GHz:

RF PERFORMANCE TABLE

Operating Mode	Data Rate	TX Power	RX Sensitivity
802.11b	1 Mbps	20 dBm	-93 dBm
	2 Mbps	20 dBm	
	5.5 Mbps	20 dBm	
	11 Mbps	20 dBm	-86 dBm
802.11g	6 Mbps	20 dBm	-89 dBm
	9 Mbps	20 dBm	
	12 Mbps	19 dBm	
	18 Mbps	19 dBm	
	24 Mbps	18 dBm	
	36 Mbps	18 dBm	
	48 Mbps	17 dBm	
	54 Mbps	17 dBm	-72 dBm
802.11n (HT20)	MCS0	20 dBm	-88 dBm
	MCS1	20 dBm	
	MCS2	19 dBm	
	MCS3	19 dBm	
	MCS4	18 dBm	
	MCS5	18 dBm	
	MCS6	17 dBm	
	MCS7	17 dBm	-69 dBm
802.11n (HT40)	MCS0	20 dBm	-86 dBm
	MCS1	20 dBm	
	MCS2	19 dBm	
	MCS3	19 dBm	
	MCS4	18 dBm	
	MCS5	18 dBm	
	MCS6	17 dBm	
	MCS7	17 dBm	-67 dBm

RADIATION PATTERNS





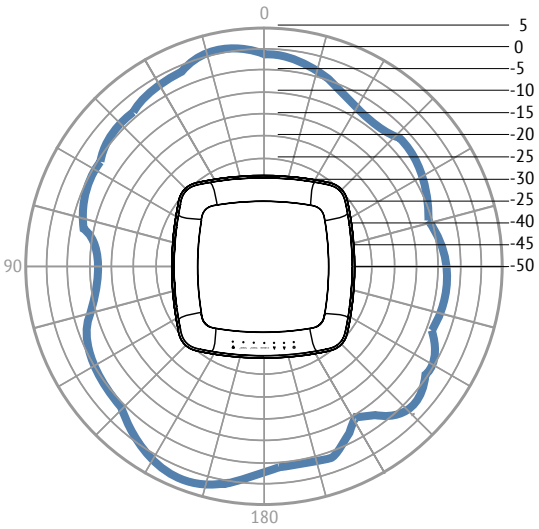
RADIO 2, 5 GHz:

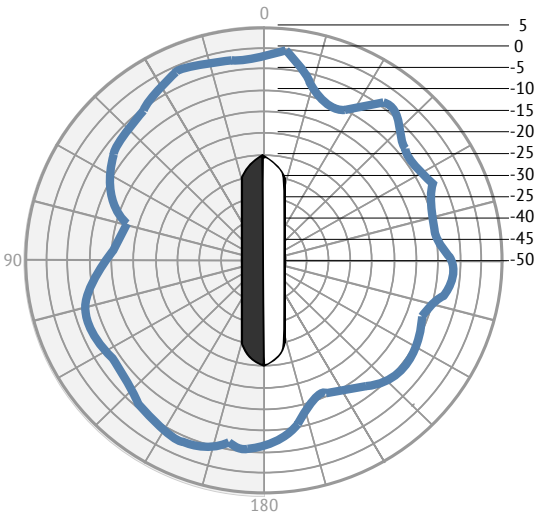
RF PERFORMANCE TABLE

Operating Mode	Data Rate	TX Power	RX Sensitivity
802.11a	6 Mbps 9 Mbps 12 Mbps 18 Mbps 24 Mbps 36 Mbps 48 Mbps 54 Mbps	20 dBm 20 dBm 19 dBm 19 dBm 18 dBm 18 dBm 17 dBm 17 dBm	-87 dBm -71 dBm
802.11n (HT20)	MCS0 MCS1 MCS2 MCS3 MCS4 MCS5 MCS6 MCS7	20 dBm 20 dBm 19 dBm 19 dBm 18 dBm 18 dBm 17 dBm 17 dBm	-87 dBm -68 dBm
802.11ac (VHT20)	MCS0 MCS1 MCS2 MCS3 MCS4 MCS5 MCS6 MCS7 MCS8	20 dBm 20 dBm 19 dBm 19 dBm 18 dBm 18 dBm 17 dBm 17 dBm 16 dBm	-87 dBm -65 dBm
802.11n (HT40)	MCS0 MCS1 MCS2 MCS3 MCS4 MCS5 MCS6 MCS7	20 dBm 20 dBm 19 dBm 19 dBm 18 dBm 18 dBm 17 dBm 17 dBm	-84 dBm -65 dBm
802.11ac (VHT40)	MCS0 MCS1 MCS2 MCS3 MCS4 MCS5 MCS6 MCS7 MCS8 MCS9	20 dBm 20 dBm 19 dBm 19 dBm 18 dBm 18 dBm 17 dBm 17 dBm 16 dBm 16 dBm	-84 dBm -61 dBm

Operating Mode	Data Rate	TX Power	RX Sensitivity
802.11ac (VHT80)	MCS0	20 dBm	-76 dBm
	MCS1	20 dBm	
	MCS2	19 dBm	
	MCS3	19 dBm	
	MCS4	18 dBm	
	MCS5	18 dBm	
	MCS6	17 dBm	
	MCS7	17 dBm	
	MCS8	16 dBm	
	MCS9	16 dBm	-56 dBm

RADIATION PATTERNS





RADIO 3, 5 GHz:

RF PERFORMANCE TABLE

Operating Mode	Data Rate	TX Power	RX Sensitivity
802.11a	6 Mbps 9 Mbps 12 Mbps 18 Mbps 24 Mbps 36 Mbps 48 Mbps 54 Mbps	20 dBm 20 dBm 19 dBm 19 dBm 18 dBm 18 dBm 17 dBm 17 dBm	-87 dBm -71 dBm
802.11n (HT20)	MCS0 MCS1 MCS2 MCS3 MCS4 MCS5 MCS6 MCS7	20 dBm 20 dBm 19 dBm 19 dBm 18 dBm 18 dBm 17 dBm 17 dBm	-87 dBm -68 dBm
802.11ac (VHT20)	MCS0 MCS1 MCS2 MCS3 MCS4 MCS5 MCS6 MCS7 MCS8	20 dBm 20 dBm 19 dBm 19 dBm 18 dBm 18 dBm 17 dBm 17 dBm 16 dBm	-87 dBm -65 dBm
802.11n (HT40)	MCS0 MCS1 MCS2 MCS3 MCS4 MCS5 MCS6 MCS7	20 dBm 20 dBm 19 dBm 19 dBm 18 dBm 18 dBm 17 dBm 17 dBm	-84 dBm -65 dBm
802.11ac (VHT40)	MCS0 MCS1 MCS2 MCS3 MCS4 MCS5 MCS6 MCS7 MCS8 MCS9	20 dBm 20 dBm 19 dBm 19 dBm 18 dBm 18 dBm 17 dBm 17 dBm 16 dBm 16 dBm	-84 dBm -61 dBm

Operating Mode	Data Rate	TX Power	RX Sensitivity
802.11ac (VHT80)	MCS0	20 dBm	-76 dBm
	MCS1	20 dBm	
	MCS2	19 dBm	
	MCS3	19 dBm	
	MCS4	18 dBm	
	MCS5	18 dBm	
	MCS6	17 dBm	
	MCS7	17 dBm	
	MCS8	16 dBm	
	MCS9	16 dBm	-56 dBm

RADIATION PATTERNS