PA300

Single-band Access Point
100% outdoor ready
Cloud managed

PA300

2.4 GHz 802.11n WiFi

Zero Config Plug-n-Play

Free cloud-based web console for complete management

Water and dust resistant with an IP55 rating

Universal installation kit included

SINGLE-BAND ACCESS POINT

Plasma Cloud's low cost solution providing single band dual stream 2.4GHz 802.11n WiFi in a weather resistant housing. Your best choice if the budget is a concern or for large WiFi sensor deployments.

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, ceiling grid, pole, outdoors – the installer kit included with every AccessPoint facilitates the installation. Easily pluggable mounting options got you covered for every scenario.
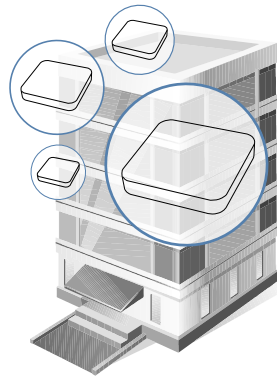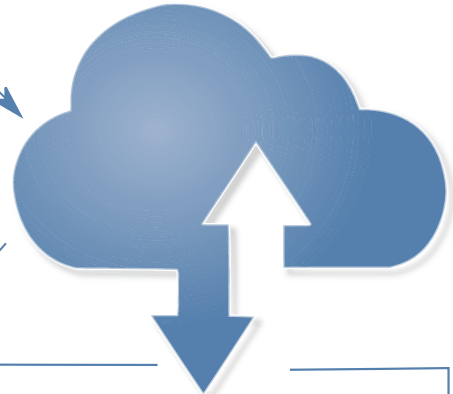
NETWORK AS A SERVICE (NaaS)

HIGHLIGHTS:

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

On Premise Hardware
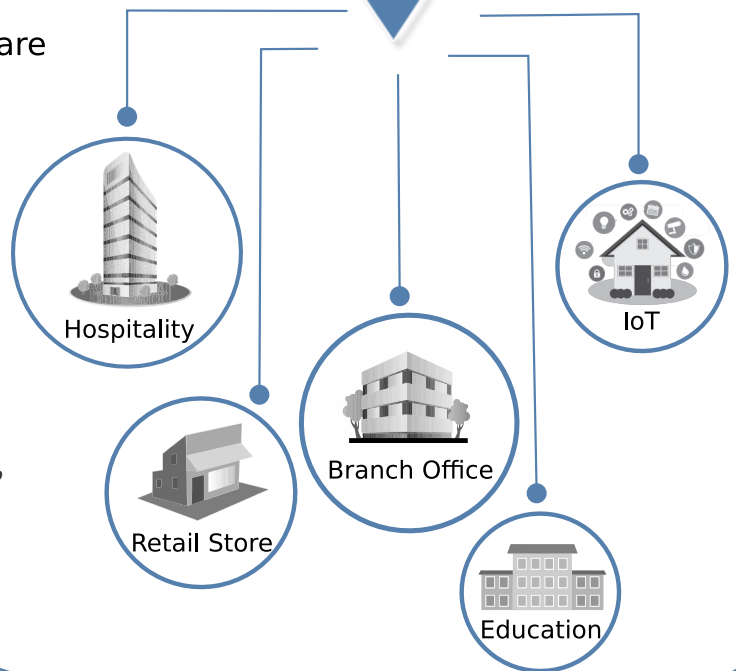
Hospitality

Retail Store

Branch Office

Education

IoT

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!
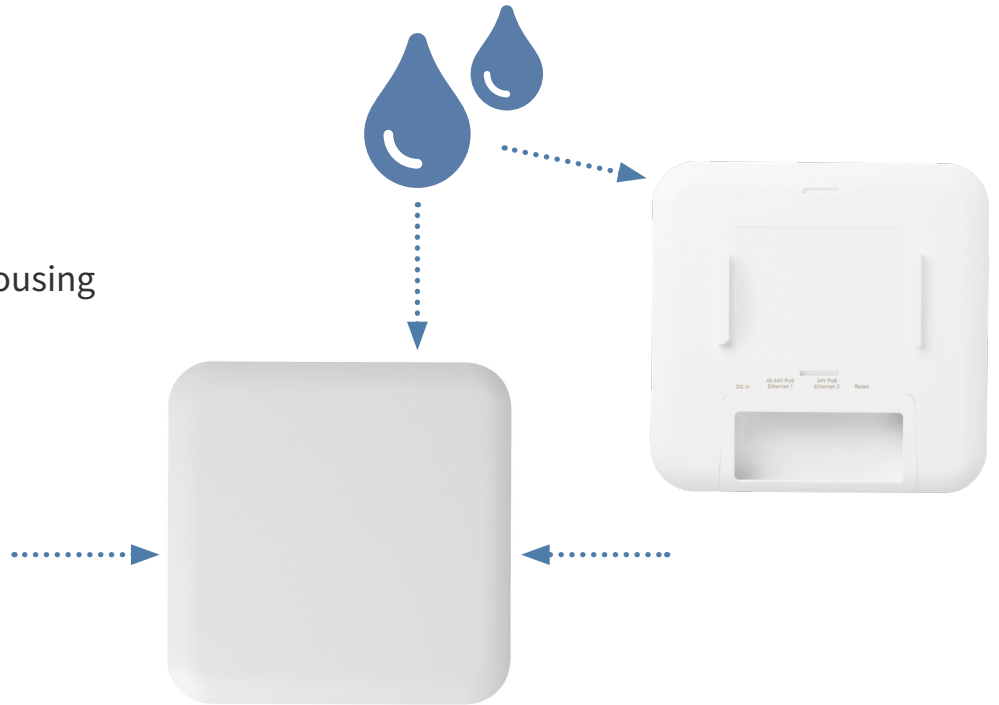
White-Label Dashboard

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.

HOUSING

- IP55 Certified Outdoor Housing
- Water Resistance

🌡 Operating temperature: 0 °C ~ 40 °C

💧 Operating humidity: 0% ~ 90% typical

🏠 Storage temperature: -30 °C ~ 80 °C

Water resistant design with sealed top and bottom enclosures and water resistant cable bay allows versatile installation environment including shaded garden, under eaves, outdoor shed, or veranda.

MOUNTING OPTIONS

Wall Mount

Pole Mount

T-rail Mount

Junction Plate

TECHNICAL SPECIFICATIONS

Radio Chains / Streams	2.4 GHz : 2x2
Antennas	2.4 GHz : 3.0 dBi
Data Rates	300 Mbps
2.4 GHz	2 stream, 802.11 b/g/n (max rate : 300 Mbps)
Processor	Qualcomm Honeybee QCA9531
Memory	64 MB
Physical Interface	2x 100 Mbps Ethernet ports
PoE	24V passive PoE 802.3af / 802.3at
DC Jack	12-24V / 1A
Power Consumption	Min : 3W Max : 9W
Indoor / Outdoor Rating	CE marked for indoor / outdoor use, IP55
Dimension (W x D x H)	142 x 142 x 34 mm
Weight	470 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 2 Mbps 5.5 Mbps 11 Mbps	26 dBm 26 dBm 26 dBm 26 dBm	-85 dBm -82 dBm
802.11g	6 Mbps 9 Mbps 12 Mbps 18 Mbps 24 Mbps 36 Mbps 48 Mbps 54 Mbps	26 dBm 26 dBm 26 dBm 26 dBm 26 dBm 26 dBm 26 dBm 24 dBm	-85 dBm -70 dBm
802.11n (HT20)	MCS0 MCS1 MCS2 MCS3 MCS4 MCS5 MCS6 MCS7	26 dBm 26 dBm 26 dBm 26 dBm 25 dBm 25 dBm 25 dBm 24 dBm	-85 dBm -68 dBm
802.11n (HT40)	MCS0 MCS1 MCS2 MCS3 MCS4 MCS5 MCS6 MCS7	26 dBm 26 dBm 26 dBm 26 dBm 25 dBm 25 dBm 25 dBm 24 dBm	-82 dBm -65 dBm

RADIATION PATTERNS