Amer Networks WAP1000 Tanaza Powered Device™

INDOOR CEILING-MOUNTABLE POE

- 802.11ac Wave 2 access point
- 2×2 MU-MIMO
- Dual-band
- AC1600 (300 Mbps + 1300 Mbps)
- Cloud Managed

tanaza
Powered device

WLAN2

WLAN1

LAN2

LAN1

SYS

PWR

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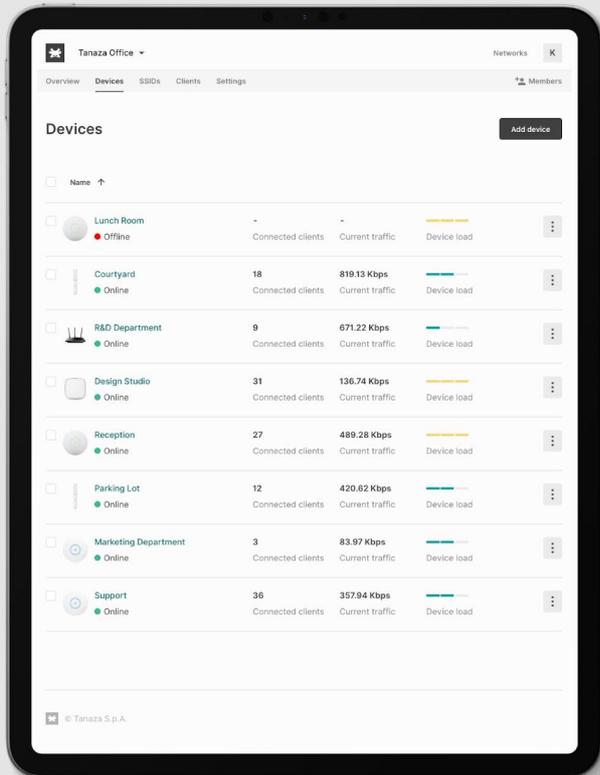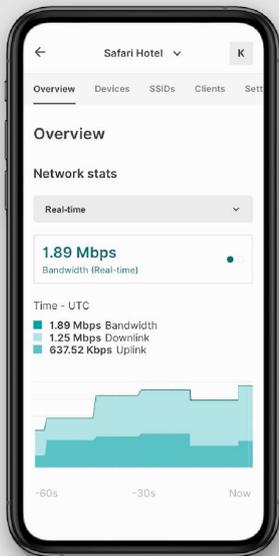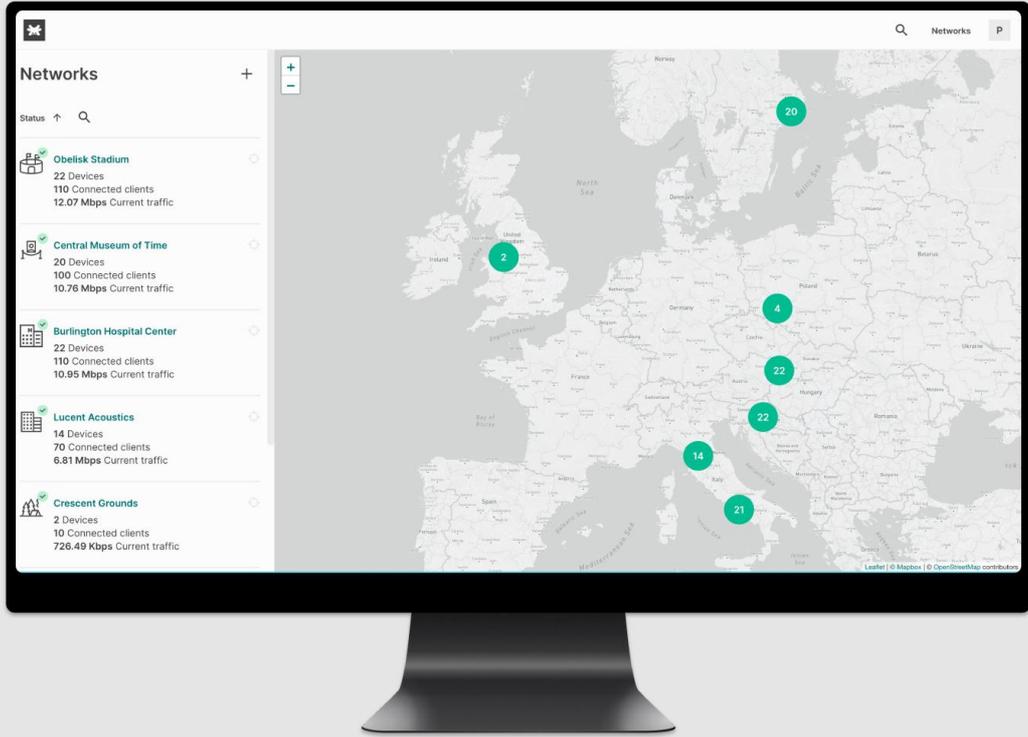# WAP1000 - Tanaza Powered Device

802.11ac WiFi Access Point

Dual-radio, cloud-managed 2x2 MU-MIMO 802.11ac Wave 2 access point. WAP1000 delivers a 1.6 Gbps aggregate frame rate (AC1600) with concurrent 2.4 GHz and 5GHz radios.

Cloud Managed Access Point

WAP1000 runs TanazaOS, a powerful Linux-based Operating System allowing cloud management through a browser-based intuitive interface.

A complete feature set for businesses of any size

- 2x2 MU-MIMO 802.11ac Wave 2
- 1.6 Gbps aggregate dual-band frame rate (AC1600)
- Firmware update via cloud, delivering new features, bug fixes and security enhancements
- Built-in diagnostic tools for real-time remote troubleshooting
- Real-time alerts if the network encounters problems
- WPA2 and WPA2-Enterprise authentication
- Ready-to-use with Tanaza out-of-the-box (zero-touch deployment)
- Can be provisioned remotely through the multi-awarded Tanaza platform
- Integrated guest access & hotspot system with advanced WiFi analytics and WiFi marketing features

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Networks +

Status ↑

Obelisk Stadium
22 Devices
110 Connected clients
12.07 Mbps Current traffic

Central Museum of Time
20 Devices
100 Connected clients
10.76 Mbps Current traffic

Burlington Hospital Center
22 Devices
110 Connected clients
10.95 Mbps Current traffic

Lucent Acoustics
14 Devices
70 Connected clients
6.81 Mbps Current traffic

Crescent Grounds
2 Devices
10 Connected clients
726.49 Kbps Current traffic

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Safari Hotel   K

Overview   Devices   SSIDs   Clients   Sett

Overview

Network stats

Real-time

1.89 Mbps
Bandwidth (Real-time)

Time - UTC
■ 1.89 Mbps Bandwidth
■ 1.25 Mbps Downlink
■ 637.52 Kbps Uplink

-60s   -30s   Now

Tanaza Office ▾   Networks   K

Overview   Devices   SSIDs   Clients   Settings   Members

Devices   Add device

Name ↑

	Name	Connected clients	Current traffic	Device load	
	Lunch Room ● Offline	-	-		⋮
	Courtyard ● Online	18	819.13 Kbps		⋮
	R&D Department ● Online	9	671.22 Kbps		⋮
	Design Studio ● Online	31	136.74 Kbps		⋮
	Reception ● Online	27	489.28 Kbps		⋮
	Parking Lot ● Online	12	420.62 Kbps		⋮
	Marketing Department ● Online	3	83.97 Kbps		⋮
	Support ● Online	36	357.94 Kbps		⋮

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Specifications

Radios

2.4 GHz: 802.11b/g/n

5 GHz: 802.11a/n/ac

802.11ac and 802.11n Capabilities

2x2 MIMO on 802.11n with 2 spatial streams
2x2 MU-MIMO on 802.11ac with 2 spatial streams

20 and 40 MHz channels on 802.11n
20, 40, and 80 MHz channels on 802.11ac

Data rate up to 300 Mbps on 2.4 GHz (64-QAM)
Data rate up to 1600 Mbps on 5 GHz (256-QAM)

Power

802.3af/at Power over Ethernet (PoE+)

Alternative +5V~30V DC input

Max power consumption: 13 W

Power over Ethernet injector and DC adapter sold separately

Flash/RAM

16 MB Flash

128 MB DDR3 RAM

Antenna

Built in 2.4 GHz 4 dBi antenna and 5 GHz dBi antenna.

Environment

Operating Temperature: -10 ℃~55 ℃
Storage Temperature: -20℃~70 ℃

Humidity: 10%~90% non-condensing

Dimensions

215 x 215 x 43 mm

Interface

1x 10/100/1000 Mbps RJ-45 port

1x 10/100/1000 Mbps RJ-45 port

Security

Flexible guest access with device isolation

VLAN tagging

WPA2, WPA2-Enterprise

Roaming

802.11k/r/v

Hardware

Amer Networks WAP1000

Software

TanazaOS cloud-based Operating System

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Hardware Warranty

36 months

Part numbers to order

Amer Networks WAP1000 Tanaza Powered Device

Accessories

•CN-PA-A1 Power adapter DC with EU plug
•CN-PA-B1 Power adapter PoE with EU plug
•CN-PA-C1 Power adapter DC with US plug
•CN-PA-D1 Power adapter PoE with US plug