

Netmodule AP3400

WiFi 6 Railway Access Point with Unwired Cloud OS

High-Performance WiFi 6 Access Point for railways and other applications where similarly high demands are placed on the hardware. It is the ideal device for Passenger WiFi or Passenger Information and Entertainment.

The AP3400 is a powerful and robust access point designed for use in rail environment or environments with similarly high demands on the hardware. Combined with our switch and routers, the access point can be used to set up a fast, secure, and reliable WiFi network in the vehicle that provides Internet access on the road.

The AP3400 is equipped with dual radio WiFi 6 for more than 300 clients as well as with 2.5 Gigabit Ethernet and can be powered with PoE+. With its approvals, powerful WiFi and performance, it is the ideal device for applications such as Passenger WiFi or Passenger Infotainment.

AP3400 with Unwired Cloud OS guarantees reliable connectivity even in demanding automotive settings and extreme temperatures.



AP3400 Railway Access Point - Symbolbild



Applications / Key Features:

- ✓ Passenger WiFi, Passenger Entertainment and Information
- ✓ Device Management and Telemetry
- ✓ Reliable Connectivity
- ✓ Remote Access

WiFi/WLAN	WiFi 6
Ethernet	2x 2.5 Gigabit Ethernet
Power	PoE+ (IEEE 802.3at)
Temperature	-40 °C to +70 °C EN 50155 class OT4/ST0
Compliance	CE (RED), Railway (EN50155, EN45545) Certifications pending
Modularity	Extensions on request
Availability	FCS planned for Q4/2021 (tbc) GA planned for Q3/2022 (tbc)

Specifications

1 WiFi / WLAN

Standard

IEEE 802.11a/b/g/n/ac/ax (Wi-Fi 6)
Dual-radio 2.4/5 GHz, 2x2 MU-MIMO

Bit rate (max)

573Mbps (2.4GHz) / 1201 Mbps
(5GHz)

Modes

Client or Access Point (min. 100
clients per radio)

Connector

2x QLS-f

2x Ethernet

Standard

2500Base-T, Auto MDIX

Speed

10 / 100 / 1000 / 2500 Mbps

Connector

2x M12 X-coded female

System

Core

1.8 GHz quad core, 512 MB RAM,
512 MB flash

Module Slots

1x miniPCIe (PCIe + USB)

Power

Input voltages

PoE+

PoE Standard

IEEE 802.3 at

Maximal Power Consumption

15 W

Connector

1x M12 X-coded female

Other

Mounting

Brackets

Dimensions

Width 200 mm x height 40 mm x
depth 133,5 mm

Weight

500 g

Environment

Operating Temperature

-40 °C to +70 °C

Ingress Protection Level

IP40

MTBF

373'000 h / 43.6 years according
SN29500 at environmental
temperature 40°C

Certifications - Pending

Compliance

CE according to 2014/53/EU (RED),
2011/65/EU (RoHS), Railway accor-
ding to EN 50155 class OT4/ST0, EN
45545, 1097/2006/EG (REACH)

Standards

EN50155, EN45545-2, EN55032,
EN55035, EN62311, EN62368-1,
EN50121-3, EN61000-6-2,
EN61000-6-3, EBA EMV 06,
EN301 489-1, EN301 489-17,
EN 300 328, EN 301 893, EN 302 502

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