HIRSCHMANN IT
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Product: DAP847-RWAKKT899EHH



DAP800 Industrial Wi-Fi 6 (802.11ax) Access Point

Product Description

DAP800 Outdoor, dual radio, 5 GHz 802.11ax 4x4:4 and 2.4 GHz 802.11ax 2x2:2, external antenna; 1*1 scanning and security function

Technical Specifications

Product description

Type:	DAP847-RWAKKT899EHH
Name:	DAP847-RWAKKT899EHH
Part Number:	9AA 101 004
Port Type and Quantity:	1× 10/100/1000/2500Mbps M12 X-coded, Eth, PoE PD (IEEE 802.3at, 802.3bt); 1 × Reset button; 1 × V.24 M12 A-coded; 1 × Air Valve; 1 x PSU 7/8" connector
Supported Radio Protocols:	IEEE 802.11b; 802.11a/g/n/ac; 802.11ax; up to 2.975Gbps (2.402Gbps in 5GHz and 573Mbps in 2.4GHz) data rate;

Radio technology

Antenna connector:	External antennas, 2×2:2 @ 2.4GHz, 4x4:4 @ 5GHz, 1x1:1 for scanning, 7 × N female connectors; ANT1-ANT4 for 5GHz band, ANT5-ANT6 for 2.4GHz band;
Frequency:	2.400 to 2.4835 GHz; 5.150 to 5.250 GHz; 5.250 to 5.350 GHz; 5.470 to 5.725 GHz; 5.725 to 5.850 GHz *available channels: Dependent on configured regulatory domain
Modulation Type:	802.11b: BPSK, QPSK, CCK; 802.11a/g/n/ac: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM; 802.11ax: BPSK,QPSK,CCK,16-QAM,64-QAM,256-QAM,1024-QAM

Power requirements

Operating Voltage:	Support Power over Ethernet (IEEE 802.3bt, 802.3at); PSU 24/110VDC
Power Consumption:	24 W

Security features

Authentication:	• 802.11i, WPA2(WPA2-PersonalWPA2 -Enterprise), WPA3 (WPA3-PersonalWPA3 -Enterprise) • 802.1X • Portal page authentication • Advanced Encryption Standard (AES)

Software

Management:	Cluster mode management, BWO/DAC management; MIMO configuration; Internal User Database; System log report; SNMP; SNMP Trap Notification with DAC software
Security:	Captive Portal, Radius Client, Wireless QoS, Client sticky avoidance, User behavior tracking, White / black list, ACL, Rogue AP location and containment, Wireless Attack Detection
Software features:	Auto channel selection; Auto transmit power control; Dynamic bandwidth selection; Band steering; Client smart load balance; DFS; Roaming ; NTP client ; Wireless MESH P2P/P2MP; Dynamic EDCA based on WMM; BSS Coloring; PRP maintain trailer;

Ambient conditions

Minimum Storage Temperature:	-40°C to +85 °C

Mechanical construction

Overall Width:	284 mm
Overall Height:	57 mm
Overall Depth:	200 mm
Weight:	2.5 kg
Mount Type:	Wall mounting
IP Protection Rating:	IP67

Approvals

Safety of industrial control equipment:	EN 61131-2, EN 62368-1, EN 60950-22
FCC:	Yes
UL/cUL:	Yes
CE:	Yes
RoHS Compliant:	RoHS(2011/65/EU,(EU)2015/863) and RoHS(GB/T26572-2011) compliant
Transportation:	EN 50155, EN 50121-3-2, EN 50121-4, EN 45545-2 (Fire Protection Railway)
Radio:	EN 300 328 (2.4 GHz), EN 301 893 (5 GHz), EN 302 502 (5.8 GHz)

Scope of delivery and accessories

Accessories to Order Separately:	• EM12G OCTOPUS: Field attachable Gigabit Ethernet connector, M12 male, 8-pole, “X”-coded • Terminal Cable, M12-4pin to DB9: Terminal cable, Side A: M12 “A”-coded 4-pin connector, Side B: Sub-D connector, 9-pin • ANT-Protector m-f, BAT-ANT-Protector m-f • N-Abschl-Wdst. 50 Ohm • ANT-CLB-RG142-1 N m-m, ANT-CLB-RG142-3 N m-m, ANT-CLB-RG142-5 N m-m, ANT-CLB-RG142-1 N m-f, ANT-CLB-RG142-3 N m-f, ANT-CLB-RG142-5 N m-f, ANT-CLB-RG142-1 N f-f, ANT-CLB-RG142-3 N f-f, ANT-CLB-RG142-5 N f-f
Scope of delivery:	• 1 x DAP847 device • 1 x RKC40/9, 7/8" socket: 7/8" connector, 4-pin for Power supply • 1 x Safety and general information sheet • 1 x Outdoor safety instructions • IP67 Caps for all connectors

History

Update and Revision:	Revision Number: 0.43 Revision Date: 06-02-2026

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