

**Product:** [DAP847-RWAKKT899THH](#) 

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



### Product Description

Dragonfly 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 Drawing

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## 用户配置手册

Dragonfly Access Point  
DAP847-XXA

## User Manual

Configuration  
Dragonfly Access Point  
DAP847-XXA

DAP847-XXA 用户手册  
版本 1.2 08/2024

Technical support  
<https://hirschmann-it-support.belden.com>

UM Configuration DAP847-XXA  
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## Technical Specifications

### Product description

Type:	DAP847-RWAKKT899THH
Name:	DAP847-RWAKKT899THH
Part Number:	9AA 101 003
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 × PSU 7/8" connector
Radio protocol:	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 band:	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:	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
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## 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-Personal WPA2 -Enterprise), WPA3 (WPA3-Personal WPA3 -Enterprise); 802.1X ; Portal page authentication; Advanced Encryption Standard (AES)
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## Software

Management:	Cluster and DAC mode management, MIMO configuration, Internal User Database, Zero-touch provisioning (ZTP), 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

Storage/transport temperature:	-40°C to +85 °C
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## Mechanical construction

Width:	284 mm
Height:	57 mm
Depth:	200 mm
Weight:	2.5 kg
Mounting:	Wall mounting
Protection class:	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; BAT-ANT-Protector m-f; N-Abschl-Wdst. 50 Ohm; BAT-CLB-RJ142-5 N m-m; AntennasBAT-ANT-N-MiMoDB-11N-IP65-R for trackside
Scope of delivery:	1x DAP847 device; 1x General safety instructions; 1x Information sheet and outdoor safety instructions; 1x RKC40/9, 7/8" socket; 7/8" connector, 4-pin for Power supply

## History

Update and Revision:	Revision Number: 0.47 Revision Date: 03-26-2025
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