



Product: [DAP847-RWAPKT899THH](#) 

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 Specifications

Product description

Type:	DAP847-RWAPKT899THH
Name:	DAP847-RWAPKT899THH
Part Number:	9AA 101 001
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
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; BLE5/Zigbee (802.15.4), scanning and security function

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

Power requirements

Operating Voltage:	Support Power over Ethernet (IEEE 802.3bt, 802.3at)
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)
-----------------	---

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
--------------------------------	-----------------

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 ((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

History

Update and Revision:	Revision Number: 0.49 Revision Date: 05-18-2025
----------------------	---

© 2025 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.