

» Cab-n-Connect «

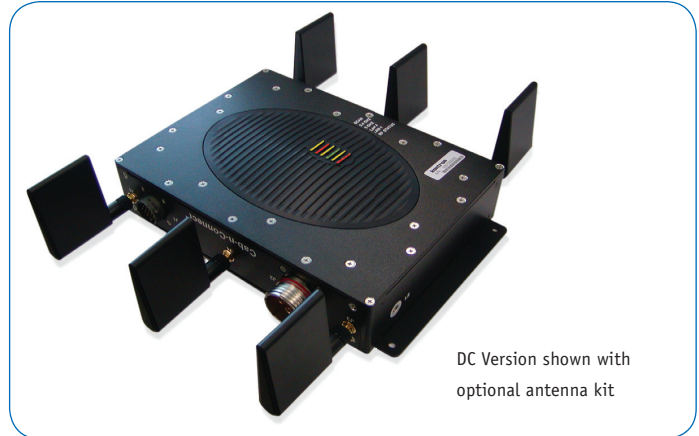


AC Version shown
without antenna

Cab-n-Connect 802.11n Wireless Access Point

- » AC or DC input power ordering option
- » Backwards compatible to 802.11 a/b/g standards
- » Dual WiFi radios - 2.4GHz, 5GHz
- » Can operate as a Cabin Wireless LAN Unit (CWLU) and Terminal Wireless LAN Unit (TWLU)
- » Best-in-class video-streaming to WiFi clients
- » Flag Antenna Kit orderable option
- » Qualified to DO-160F

Kontron's Cab-n-Connect wireless access point defines Best-in-Class performance for next-generation video applications. Taking advantage of the IEEE 802.11n specification's increased bandwidth, maximum throughput to wireless clients has increased from 54mbps to over 300mbps. Based on Motorola's award winning AP-7131N 802.11a/b/g/n enterprise-grade access point, Cabn-Connect provides secure wireless connectivity for commercial airlines and general aviation. The unit supports simultaneous dual radio operation (2.4GHz and 5GHz), is compliant to the I/O requirements of ARINC 763, and can operate in the cabin wireless LAN or terminal wireless LAN modes. When compared to other CWAPs available on the market, Cab-n-Connect offers reduced size, weight and power and is priced to meet the competitive needs of our customers. The Cab-n-Connect and optional Flag Antenna Kit are approved per FAA certification (RTCA/DO-160F).



DC Version shown with optional antenna kit

Technical Information

Radio Operation

- » 802.11n Capabilities
- » Simultaneous, dual radio operation (1x 802.11 b/g/n, 1x 802.11 a/n)
- » 3 x 3 MIMO
- » Supports 300 Mbps Data Rates per Radio
- » Frequency Bands: 2.4 - 2.5GHz, 4.9 - 5.825GHz

I/O

- » Ethernet: 2x 10/100/1000Base-T (Auto-sensing)
- » Console port: RS-232
- » Discretes: - Input: Radio Disable/Enable; Power Supply On/Off
- Output: Power Supply Status; Radio Status

I/O Connectors

- » J1: Main Power, Discretes, Console
- » J2: Ethernet: 4-way Quadrap
- » J3-J8: 6x SMA-RP

Physical Dimensions & Weight

Height

No Antenna Kit: 2.24" | 56.92 mm

With Antenna Kit

3.25" | 82.55 mm

Depth

6.82" | 173.23 mm

12.83" | 325.88 mm

Width

10.67" | 270.92 mm

10.67" | 270.92 mm

Weight

4.35 lbs | 1.97 kg

5.25 lbs | 2.38 kg

Power Supply Options

115VAC / 360-800 Hz with 200msec Hold-up
+28VDC with 200msec Hold-up
Less than 20W

Dimensions

Less than ARINC 763

Weight

4.1 lbs

Environmental

Cooling-sealed natural convection, Qualified to DO-160F, Optional Flag Antenna Kit Qualified to DO-160F

Ordering Information

Part No.

73001000-001
73001000-002
5007120-1
73001002-001
73001002-002
5007026-1
73001001-001
73001001-003

Description

CWAP AC Power, International Version
CWAP AC Power, US Version
AC Cable Kit (lab use)
CWAP DC Power, International Version
CWAP DC Power, US Version
DC Cable Kit (lab use)
Flag Antenna Kit
Flag Antenna Kit, Low Profile

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