

aWAP-MS

(WIRELESS ACCESS POINT WITH INTEGRATED MEDIA SERVER)



ENJOY «ALL IN ONE» UNIT
INTEGRATING
A 802.11AC WIRELESS ACCESS POINT
AN 500GB EMBEDDED MEDIA SERVER (MS)

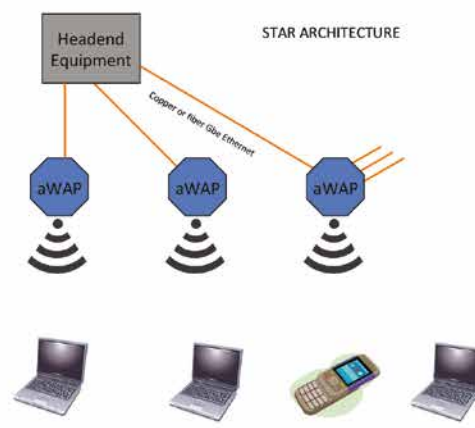
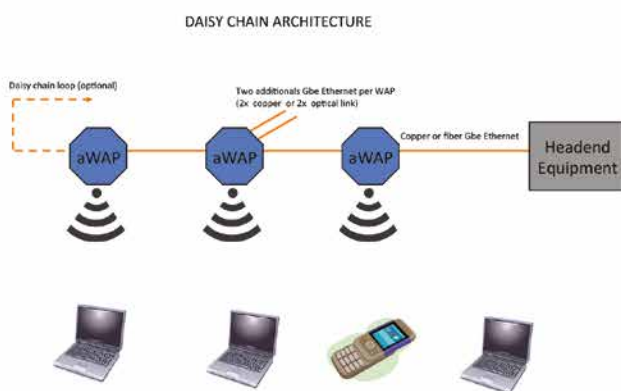
1 KEY DESIGN FEATURES

ELTA's aircraft Wireless Access Point (aWAP) meets the latest standard in wireless connectivity **802.11A/B/G/N/AC**. **802.11 AC PROVIDES INCREASED BANDWIDTH FROM 450MBPS (2 GHZ BAND) UP TO 1.3GBPS (5GHZ BAND)**. BASED ON embedded cots component (802.11ac Wave 1), aWAP & aWAP-MS will ensure customers reliable and secure wireless connectivity. **aWAP & aWAP-MS ARE THE FIRST HIGH SPEED HOT SPOT WITH BOTH COPPER AND OPTICAL ETHERNET LINK (OPTIONAL)**. THEY CAN BE INSTALLED EITHER ON COMMERCIAL AIRCRAFTS OR ON BUSINESS/REGIONAL JET AIRCRAFTS.

2 ADVANTAGES

- aWAP is the most **COMPACT UNIT** available on the market (1.5Kg/3.3 lbs).
- aWAP-MS version (Media server powered by Intel processor with virtualization technology (VT-X) adds **500GO OF STORAGE**.
- The customer can add its own media server application, based on linux environment.
- aWAP/aWAP-MS provides **OPTICAL AND COPPER ETHERNET LINKS** (2 links each) with **BYPASS** function for daisy chain (no loop) architecture.

3 TWO ARCHITECTURE



aWAP (AIRCRAFT WIRELESS ACCESS POINT)

aWAP-MS (WITH INTEGRATED MEDIA SERVER)

SPECIFICITIES

Data interfaces	2*1000 ethernet interface 2*1000 gigabit ethernet optical
I/O – Power supply	aWAP : Discrete I/O to control remote ON/OFF Discrete aWAP- MS version : Additional 4 discretes input Additional 1 discrete output These discretes I/O can be customised
Power consumption	115 V AC / 360-800 Hz (28V DC on request) 20 Watts for aWAP 30 Watts for aWAP- MS version
Antennas	Integrated antennas 4x4:3 SS (Spatial Stream)
WIPS	Wireless Intrusion Prevention System

MECHANICAL CHARACTERISTICS

Version	aWAP	aWAP – MS
Dimensions (mm)	230*177,8*65 (ARINC 836-L7 category)	230*177,8*65 (ARINC 836-L7 category)
Dimensions (in)	9,05*7*2,56	9,05*7*2,56
Weight (kg)	1,5KG	1,8KG
Weight (lbs)	3,3 lbs	3,96 lbs

PART NUMBER INFORMATION

P/N 13N66449	aWAP
P/N 13N66214	aWAP-MS Version

APPROVALS & STANDARDS

Avionics qualified - DO 160-G
ARINC 836 compliance

