



# ESU2412

Ethernet Switch Unit,  
application designed for all aircraft

# ESU2412



## Key features

### Electrical

- + 115 V 400 Hz Power Interface
- + internal overload protection
- + 24 Port Switch Autosensing
- + 10/100 BaseT at RJ45 Sockets  
[including HP Auto-MDIX feature]

### Mechanical

- + compact design
- + internal cooling fans

### Miscellaneous

- + manageable Layer 3 functionality
- + RS232 debugging port for VT100 terminal or terminal emulation
- + LED diagnostics for Power, Equipment Status, Port Status

## Technical data

### Mechanical dimensions

length	317 mm
width	220 mm
height	83,5 mm
weight	2,1 kg

### Electrical data

input voltage	115 V AC 400 Hz
input current	600 mA
power consumption	< 60 W

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## Key features

### Features

- + optimised for aeronautical satellite communication
- + illuminated keypad and colour display
- + AES Mode - Systemtelephone for IPX plug & play installation (IPX required)
- + SIP Mode - Compatibility Mode for third party equipment

### Features

- + several SIP codecs  
default: G711 (alaw)
- + SIP DTMF - RCF2833 and SIP Info
- + Hold & Retrieve/Transfer/Conference  
Handsfree Speaker/Mute
- + Telephone Directory  
Call History (Redial Lists)
- + option for personalised screensaver/  
boot logo

### Miscellaneous

- + MTBF > 8.000 OH
- + qualified acc. to RTCA-D0160
- + certification  
CofC, EASA Form 1
- + fire retardant housing  
CS/FAR/JAR 25.853a
- + external ringer/indicator relay 30 V DC  
0,5 A

## Technical data

### Mechanical dimensions

length	max. 181 mm
width	max. 68 mm
height	max. 66 mm
weight	900 g (handset & cradle)

### Electrical data

input voltage	28 V DC 5 Watt or Power over Ethernet (PoE) (IEEE 802.3 Class 2)
partnumber	THA 2015-001-001 (Handset-AES Mode) THB 2015-001-001 (Base-AES Mode) THB 2015-001-100 (Base-SIP Mode)