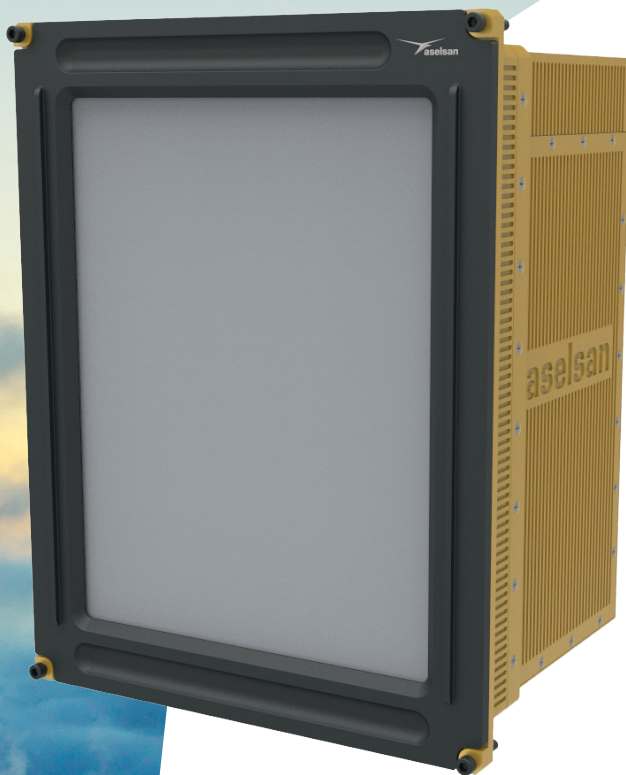


ADEN | TCCU 810

TOUCHSCREEN COCPIT CONTROL UNIT

#Avionics



HIGH RESOLUTION TOUCH SCREEN
SMART COCPIT CONTROL UNIT
SINGLE LRU COMPACT DESIGN



aselsan

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TOUCHSCREEN COCPIT CONTROL UNIT

Touchscreen Cockpit Control Unit (ADEN TCCU 810) is a primary cockpit control interface between the pilot and the aircraft. ADEN TCCU 810 is a Line Replaceable Unit (LRU) which provides display and control of subsystems and interfaces of aircraft for pilot.

ADEN TCCU 810 incorporates an 8" x 10" AMLCD display, multiple Single Board Computers, internal graphics generation, video and I/O processing capabilities and touchscreen controls. ADEN TCCU 810 has the capability of generation of display formats, using data obtained from system interfaces to the ADEN TCCU 810.

ADEN TCCU 810 provides primary control of flight and cockpit management information capabilities for the operator with the capability of selection of various display page formats via touchscreen interface.

ADEN TCCU 810 supports the analog and digital input/output interfaces, USB 2.0, Ethernet and MIL-STD-1553 interface. The Ethernet interface allows operational software modification without removal of the system from the installed position.

ADEN TCCU 810 includes the Display / Mission Management Operational Flight Program (OFF), i.e. software which performs complete flight management functions, data management and subsystems control functions for avionics systems to be interfaced with ADEN TCCU 810.

General Specifications

- Ethernet Loading
- High Resolution Touch Screen Display
- Wide Dimming Range
- Wide Viewing Angle
- NVIS Class A and B Compatible
- Single LRU Compact Design
- Easy to Integrate

Interfaces

- MIL-STD-1553B
- ARINC-429 Input/Output
- Ethernet (10/100/1000 MBit/s)
- USB 2.0
- Serial Interfaces (RS-422, RS-485, RS-232)
- Discrete I/O Interfaces
- Display Port 1.1A Digital Video Input/Output

Physical Specifications

- Dimensions: 317 mm (H) x 245 mm (W) x 217 mm (D)
- Weight : < 14 kg

Technical Specifications

- Power Input : 28 VDC (Nominal)
- Power Consumption : 200W (Nominal) / 377W (Maximum)
- Display Type : Color Active Matrix LCD (AMLCD)
- Display Area : 9.7" x 7.3" (12.1" diagonal)
- Resolution : 1360 x 1024 (140 color groups per inch)
- Display Color : 16.2 Million Colors
- Viewing Envelope : +/- 35° Horizontal +15 / -30° Vertical
- Luminance Range : 0.03 fL - 300 fL
- NVIS Compatibility : MIL-STD-3009, Class A and B

Environmental Conditions

- Operating Temperature and Altitude : -40°C / +65°C, 20.000 ft
- Storage Temperature : -55°C / +85°C

Qualifications

- MIL-STD-810G
- MIL-STD-461E
- MIL-STD-704A/F



Specifications are subject to change without any notice. | All tolerances are within ±10%.