

ASELPINE | SIU

SYSTEM INTERFACE UNIT

#Avionics



AIRCRAFT INTERFACE UNIT FOR FIGHTER AIRCRAFTS
REDUNDANT OPERATION
FIGHTER AIRCRAFT QUALIFIED



aselsan

ASELPINE | SIU

SYSTEM INTERFACE UNIT

aseLPINE SIU collects various analog platform parameters, translates them to digital and presents to use of pilots. Generates analog driving signals that are commanded by mission equipment.

With its reliable and rugged design, aseLPINE SIU meets fighter aircraft harsh environmental requirements.

General Specifications

- Internally Redundant
- Analog Interface for Aircraft Systems
- Digital Interface for Mission Systems

Interfaces

- Fuel Quantity Measurement Interface
- FTIT Interface
- RPM Interface
- Synchro Input / Output Interfaces
- Audio Output Interface
- Analog Video Input / Output Interfaces
- Discrete Signal Input / Output Interfaces
- RS-485 Interfaces
- WMUX Interfaces
- MIL-STD-704A 28VDC Power Input

Physical Specifications

- Dimensions : 287mm (W)x405mm (H)x160mm (D)
- Weight : 9,3 kg

Technical Specifications

- Power Consumption: Nominal 50W, Maximum 70W
- Dual Redundant 28VDC Power Input
- Dual Redundant Power Supply
- Dual Redundant EICAS Operations
- Fuel Quantity Measurement
- Fuel Flow Rate Measurement
- FTIT Measurement
- RPM Measurement
- Nozzle Position Measurement
- Engine Oil Pressure Measurement
- Hydraulic Pressure Measurement
- Heading Angle Generation
- Analog Video Crosspoint Switch
- Aural Warning and Caution Generation

Environmental Conditions

- Operating Temp. and Altitude: -40°C/+55°C (+71°, 30min), 31.000 ft.
- Storage Temp. and Altitude : -55°C/+85°C, 55.000 ft.

Qualifications

- MIL-STD-810F
- RTCA DO-160E
- MIL-STD-704A
- MIL-STD-461E



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