

ASELPINE | WIU

WEAPON INTERFACE UNIT

#Avionics



MIL-STD-1760D WEAPON INTERFACE
COMBAT PROVEN ON T-129 ATAK



aselsan

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WEAPON INTERFACE UNIT

aseLPINE WIU (Weapon Interface Unit) is a 2 channel MIL-STD-1760D interface unit. It provides discrete and power signals required to manage and fire two weapon systems simultaneously.

aseLPINE WIU increases system safety by monitoring and checking the validity of power and discrete signals. This feature decreases the possibility of inadvertent weapon firing.

aseLPINE WIU provides the power and discrete signals in a redundant manner to increase total system reliability.



General Specifications

- MIL-STD-1760D Weapon Management
- Supports 2 Weapon Stations
- Combat Proven on T-129 ATAK

Physical Specifications

- Dimensions : 226mm (W) x 72mm (H) x 279mm (D)
- Weight : 2,6kg

Technical Specifications

- Power Inputs : 28VDC + 115VAC 400Hz
- Power Consumption : 28W

Interfaces

- 28VDC Power Input X2
- 115VAC 400Hz 3 Phase Power Input X1
- RS-485 X2
- MIL-STD-1760D DC1 Power Output X2
- MIL-STD-1760D DC2 Power Output X2
- MIL-STD-1760D Release Consent Output X2
- 28VDC Power Output X6
- 115VAC 400Hz 3 Phase Power Output X2
- OPEN/SHORT Discrete Input X12
- OPEN/GND Discrete Input X16

Environmental Conditions

- Operating Temperature and Altitude : -40°C / +55°C, 15000ft (30 minutes at +71°C)
- Storage Temperature : -55°C / +85°C

Qualifications

- MIL-STD-810F
- MIL-STD-704F
- MIL-STD-461E

Specifications are subject to change without any notice. | All tolerances are within $\pm 10\%$.