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32U SIUC

Subsystem Interface
Unit Cabinet



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Subsystem Interface Unit Cabinet (SIUC) is a military type 19" extreme rugged cabinet engineered to support subsystem integration on-board ships. SIUC is a modular and flexible concept from YALTES designed for naval applications. SIUC ensures that housed COTS units and equipment are safeguarded against severe environmental conditions.

Subsystem Interface Unit Cabinet provides;

- » Provides access to the cabinet from both the front and side to facilitate maintenance and servicing
- » Stable and extreme rugged mechanical structure to damp shock and vibration
- » Automated anti-condensation heating (ACH) capability
- » User friendly Human Machine Interface (HMI)
- » The SIUC monitoring and management functions are accessible through the Touch Panel Display
- » Ergonomic design to comply with MIL-STD-1472F

TECHNICAL DATA

Interfaces:

Up to 70 signal interfaces with MIL-DTL-38999 Series III type connectors via modular connector panels

HMI:

- Audible and luminous alarm for critical faults
- Alphanumeric/Touch Panel Status Display
- Foldable Keyboard/Video/Monitor Unit

Power:

- 115 Volts, 60 Hz UPS 3000 VA
- 220 Volts, 50 Hz (option)
- 440 Volts, 60Hz (option)

Cooling:

- Air cooling (standard)
- Water cooling (option)

Structure:

- Heavy-duty aluminum construction
- SurTec 650 environmental friendly surface treatment



- Bottom and back mounted shock absorbers
- Adjustable payload heights from 1U to 32U

SIUC can be tailored and delivered in various heights and depths depending on specific customer requirements.

ENVIRONMENTAL FEATURES

Storage Temperature	MIL-STD-810F Method 5014, Method 5024 -40 to +70 °C
Operating Temperature	MIL-STD-810F Method 5014, Method 5024 0 to +45 °C
Humidity	MIL-STD-810F Method 5074
Shock	MIL-S-D-901D Shock Resistance Level A
Ingress Protection (Rain-Drip Proof)	MIL-STD-108E/IEC 60950 IP X3
Vibration	MIL-STD-167-1 4Hz - 50Hz
EMI/EMC	MIL-STD-461E

Dimensions: 65x103x180 cm (WxDxH)

Weight: Up to 500 kg (Depends on Payload)

Subsystem Interface Unit Cabinet are in full series production. More than 17 SIUCs are in operational use by 3 navies.

