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25U SIUC

Subsystem Interface
Unit Cabinet



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Subsystem Interface Unit Cabinet (SIUC) is a military type 19" 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 protected from the severe environmental conditions.

SIUC provides;

- » Front access to Line Replaceable Units (LRU's) for easy maintenance and repair
- » Stable and rugged mechanical structure to damp shock and vibration
- » Automated anti-condensation heating (ACH) capability
- » Detecting SIUC errors through the touch panel interface
- » 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 80 signal interfaces with MIL-DTL-38999 Series III type connectors via modular connector panels.

The SIUC monitoring and management functions are accessible through the Touch Panel Display.

HMI:

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

Power:

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

Cooling:

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



Structure:

- Heavy-duty aluminum construction
- SuTec 650 environmental friendly surface treatment
- Bottom and back mounted shock absorbers
- Adjustable payload heights from 1U to 25U

SIUC Customisable in height and depth to suit individual customer requirements.

ENVIRONMENTAL FEATURES

Storage Temperature	MIL-STD-810F
Operating Temperature	MIL-STD-810F
Humidity	MIL-STD-810F
Shock	MIL-STD-810F
Ingress Protection (Rain-Drip Proof)	MIL-STD-108E
Acoustic Noise	MIL-STD-1474D
Vibration	MIL-STD-167-1
ESD	IEC 61000-4-2
EMI/EMC	MIL-STD-461E

Dimensions: 65x90x140 cm (WxDxH)
65x98x140 cm (Option for Deep Payload)

Weight: Up to 400 kg

Subsystem Interface Unit Cabinets are in full series production. More than 300 SIUC of various types are operational in use by 5 navies.

