

Subsystem Interface Unit Cabinet (SIUC) is a 19" rugged cabinet engineered to support subsystem integration onboard of the ships. SIUC is a modular and flexible concept from YALTES designed for naval applications. SIUC ensures that housed units and equipment are protected from the severe environmental conditions onboard.



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SIUC with its modular technique, enables;  
Easy access to connection points and connectors.

- Front access to enclosed Line Replaceable Units (LRU's) for easy maintenance and repair.
- Stable and rugged mechanical structure to damp shock and vibration.
- Enhanced automated anti-heating and anti-condensing capability.
- Human Machine Interface (HMI) functionality to manipulate system and the SIUC working functional parameters.
- Ergonomic design to comply with MIL-STD-1472F.

### PHYSICAL FEATURES (Typical values)

- Dimensions:** 65x90x151 cm. (WxDxH)  
65x98x151 cm. (Option for deep payload)
- Weight:** Up to 350 kg. (Depends on payload)
- Outputs:** Connections via modular connector panels
- HMI:** Operational Status / Warning indicator  
Operational hours counter for MTBF reference  
Alphanumeric status display (Option)  
Keyboard Video Monitor Drawer (Option)
- Power:** 115 Volts, 60 Hz UPS 3000 VA (220 Volts, 50 Hz Option)
- Cooling:** Air cooling (standard), Water cooling or embedded A/C unit (Option)

Heavy-duty aluminum construction protected against corrosion.

Bottom and back mounted shock absorbers against vibration and shock support for 19" EIA rack mount payload.

Adjustable payload heights from 1U to 25U.

SIUC is delivered with a modular connector plate to match the various system interface requirements as well as the obligations of the Military Standards.

SIUC can be tailored and delivered in various heights and depths depending on specific space and mounting requirements of the equipment to be housed in. Upon request smaller or bigger size SIUCs can be produced. SIUCs can also be used as common support modules to house cabinet enclosures to drive multi combat management system operator consoles used in Operation Centers.

### ENVIRONMENTAL FEATURES

Storage Temperature	-10 to 63 deg.C	MIL-STD-810F
Operating Temperature	0 to +35 deg.C	MIL-STD-810F
Humidity	90% at 40 deg.C	MIL-STD-810F
Shock	20 g /11 ms	MIL-STD-810F
Rain (Drip Proof)	15 deg. inclined	MIL-STD-108E
Vibration	4Hz – 50 Hz	MIL-STD-167-1
Acoustic Noise	54 dB(A) @1 mt.	MIL-STD-1474D
EMI/EMC	CE101, CE102, RE101 RE102, CS101, CS114 CS116, RS101, RS103	MIL-STD-461E
ESD	Level III, 8 kV	EN 61000-4-2
Heavy Ship Motions	Operational	Roll ± 30 ° A Pitch ± 15 ° A

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