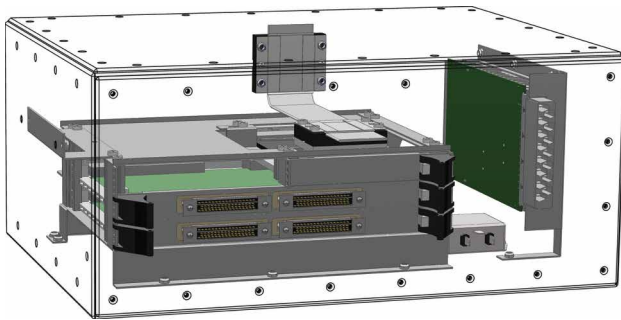


RNODE-FLEX-4U-FIO

RECAB

YOUR EMBEDDED TEAM PLAYER

**Rugged 4U 19" Computing Node,
Intel® Atom™ (alt. up to i7) based CPU System,
with very feature rich and flexible Front I/O**



Contact Information

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Features

- Intended as Flexible I/O Network Attached Computing Node, for use in Maritime and Harsh Industrial Environment
- Redundant Ethernet based network attachment.
- Can be used as Distributed I/O Controller or Distributed Data Collection & Conversion Unit.
- CompactPCI based 3 slot inner crate (2 slot's available for I/O)
- Optional: CompactPCI or VMEbus up to 5 slots backplane available
- CPU: Intel® Atom™ based 3U cPCI
- Optional: Alternative 3U or 6U cPCI CPU Boards available. Alternative CPU variants Core™-i3, -i5, -i7
- Flexible I/O Concept based on PMC Modules Up to 4 PMC Modules (+6 PMC Modules @ alt. backplane)
- Rich selection of I/O, and possible I/O customization: Digital I/O, Analog I/O, Serial RS-xxx Communication, FPGA based "Front-end / Pre-processing", Special Function PMC (Arinc-1553, Synchro/Resolver, Motion Control and more)
- Flexible and exchangeable front panel mechanics and connectors. MIL-D38999 I/O connectors are used as standard. Alternativ M-12, DSUB, Screw Terminals, ...can be selected.
- Cooling: Fanless System Design with Conduction Cooled CPU Board
- Optional cooling: conventional air cooled chassis by means of internal fan's (left to right, or reverse air flow). Also optional conventional cooling side profiles / flanges for use in "forced" air flow installations.
- Mounting: Stand-Alone Box with mounting brackets, or 19" chassis mount (4U High). All I/O in front.

Specifications

Standard Construction Water Ingress	Powder Coated, Color: White or custom Aluminum, Chromated/Elox and Alu-Zink IP65 or optional IP67
Processor	Intel® Atom™ E3827/45 Core™-i3, i5 or i7 (Haswell) available
Memory	Up to 4GB DDR4 ECC
Power supply options (Single or Redundant)	90-255VAC (50/60Hz) 18-36 VDC, (Limitation in choice of CPU) 36-72 VDC, (Limitation in choice of CPU)
Temperature Operating Temperature Storage Humidity (non-condensing)	-25°C to 60°C -40°C to 70°C 5% to 95% non-condensing
Shock Vibration (10-2000Hz)	3 axis, 25G at 25 ms 3.0 Grms, 8 Hz to 2000 Hz
Dimensions	400mm (W) x 303mm (D) x 168mm (H, 4U)
Weight	~6 kg
Certification	CE (Class A), IEC60945 (Pending), DNV2.4 comply, IACS E.10 (Pending), IP65
Driver Support	Windows and Linux