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ACCC

AVIONIC CENTRAL CONTROL COMPUTER

MODULAR, OPEN ARCHITECTURE DESIGN

REDUNDANT OPERATION

FIXED, ROTARY WING PLATFORM QUALIFIED

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ACCC

AVIONIC CENTRAL CONTROL COMPUTER

Avionic Central Control Computer is the key for mission success. With the modular hardware and software design, large memory capacity, high processing capability and multiple interface support, ACCC enables the pilot to manage effectively all electronic and weapon systems of air platforms.

With its reliable and rugged design, the ACCC operates in severe environmental conditions on fixed-wing and rotary-wing platforms with the advanced cooling and thermal management techniques.

Having flexible and scalable industry standard open architecture design, ACCC meets customer and platform requirements.

General Specifications

- System Management
- Operator Interface Management
- Communications and Identification Management
- Navigation Management
- Tactical Surveillance Management
- Weapon System Management
- Emergency/Auxiliary Operations and Zeroization Management
- Mission Planning
- Synthetic Voice Generation

Technical Specifications

- ATR form factor, conduction cooled chassis (1/2 ATR, 3/4 ATR, 1 ATR)
- PowerPC computing processors
- Software certifiable to DO-178B
- Synthetic voice generation
- 28 VDC powered, optional AC powered cooling fans
- Power hold-up for short power interrupts

Interfaces

- ARINC 429 Tx / Rx interfaces
- MIL-STD-1553B interfaces
- Ethernet (10/100/1000 Mbit) and serial line (RS-232 / RS-422 / RS-485) interfaces
- Discrete I/O interfaces
- Analog video input/output interfaces
- Digital video input/output interfaces

Qualifications

- MIL-STD-810 / DO-160E
- MIL-STD-704
- MIL-STD-461

Environmental Conditions

- Operating Temp. and Altitude: -40°C / +55°C, 15.000 ft.
- Storage Temperature: -55°C / +85°C

Physical Specifications

- Dimensions: 465 mm (H) x 257 mm (W) x 223 mm (D)
- Weight: <23 kg

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