

# ACORE | AMKB

AVIONIC CENTRAL CONTROL COMPUTER

#Avionics



MODULAR, OPEN ARCHITECTURE DESIGN  
REDUNDANT OPERATION  
FIXED AND ROTARY WING PLATFORM QUALIFIED



**aselsan**

# ACORE | AMKB

## 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, ACORE AMKB enables the pilot to manage effectively all electronic and weapon systems of air platforms.

With its reliable and rugged design, the ACORE AMKB 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, ACORE AMKB 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

### Interfaces

- ARINC-429 Input / Output
- MIL-STD-1553B
- Ethernet (10 / 100 Mbit/s)
- Serial Data Bus (RS-232 / RS-485 / RS-422)
- Discrete Input / Output
- Analog Video Input / Output
- Digital Video Input / Output

### Physical Specifications

- Dimensions: 258 mm (W) x 223 mm (H) x 466 mm (D)
- Weight: < 24 kg

### Technical Specifications

- PowerPC Computing Processors
- Real Time Operating System
- Software Certifiable to DO-178B
- Power Input: 28 VDC (Nominal)
- Power Consumption: 325W (Nominal) / 475W (Max)
- Power Hold-Up for Short Power Interrupts

### Environmental Conditions

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

### Qualifications

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



Specifications are subject to change without any notice. | All tolerances are within ±10%.