

Press Release:

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ARCX 1100

Rugged, Small Form Factor Embedded Computer

- Intel Atom COM Express Type 10 module (Apollo Lake)
- Four AcroPack / mini PCIe slots for field I/O - A/D and D/A Analog I/O
 - Digital I/O and counter/timers - Serial communication
 - Ethernet communication
 - CANbus communication
 - Mil-STD 1553 and ARINC 429 - FPGA signal processing and many more
- Ports available
 - Four field I/O 68-pin CHAMP
 - Two GigE RJ45 ports
 - Mini-DisplayPort
 - Two USB 3.0 ports
 - Two COM RS232 ports One M.2 site
 - One SATA connector
- -40 to 71°C extended temperature range
- Wide range DC input power with redundancy

The ARCX1100 is a customizable-off-the-shelf (COTS), SWaP-optimized deployable computing solution. This rugged, small form factor computer is designed for a variety of defence and industrial applications. For maximum flexibility, the modular platform combines a carrier card hosting a COM Express Type 10 CPU and a mix of AcroPack I/O modules to support a variety of communication, monitoring and control functions. Front ports offer easy access to gigabit Ethernet, USB, video, and COM signals. High-density connectors simplify interfacing field signals.

Typical applications include deployable systems such as: avionics, C4ISR, payload management, as well as command and control for drones and robotics. The ARCX1100 is perfect as a portable communication system with the ability to add A/D, D/A, discrete I/O, RS-232/485, CAN bus, Ethernet, FPGA, MIL-STD-1553, and other signal interfaces. Using AcroPack plug-in I/O modules provides a more rugged alternative to mini PCIe modules

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