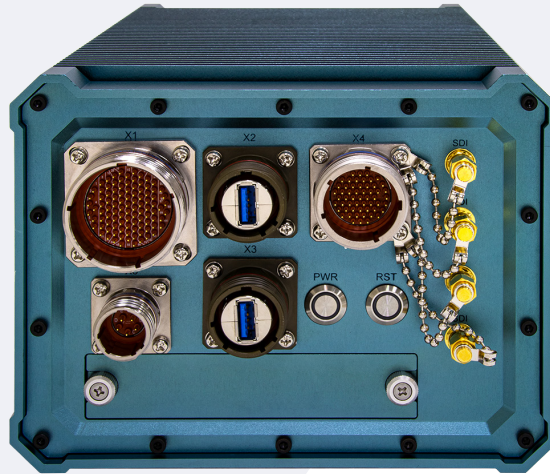


# FALC-40



## PRODUCT HIGHLIGHTS

- ⊕ Multiple 9th gen Intel® i7 and XEON processing options (25W and 45W TDP) with up to 6 cores @ 4.5GHz
- ⊕ Options for ½ ATR and ¾ ATR size chassis for rugged airborne applications
- ⊕ Option for four channel HD-SDI video capture module
- ⊕ Option for MIL-STD-1553 and ARINC 429 avionic interfaces
- ⊕ Wide range DC MIL-STD-704 / 461 / 1275 power supply
- ⊕ IP66 Rating



### FEATURES

<b>OPERATING SYSTEM</b>	Windows, Linux
<b>PROCESSOR</b>	Intel® 9th gen. processors: Core i7-9850HE (45W) Core i7-9850HE (25W) XEON E-2276ME (45W) XEON E-2276ML (25W)
<b>MEMORY</b>	Up to 128GB DDR4 RAM with optional ECC (for XEON processing options)
<b>GRAPHICS</b>	Integrated Intel® UHD Graphics 630
<b>STORAGE</b>	One (1) 2.5" SSD swappable drives
<b>VIDEO</b>	Two (2) DVI ports One (1) VGA port Optional H.264 or H.265 four channel HD-SDI video capture module
<b>ETHERNET</b>	Four (4) 1GbE ports
<b>SERIAL</b>	Three (3) RS232 ports Three (3) RS422/RS485 ports
<b>USB</b>	Two (2) USB 3.0 ports Two (2) USB 2.0 port
<b>GPIO</b>	Four (4) GPIO
<b>OPTIONAL AVIONIC INTERFACES</b>	Two (2) dual-redundant MIL-STD-1553 connections on mini-PCIe card Six channels ARINC-429 (four Rx/Tx, two Rx only) on mini-PCIe card
<b>POWER REQUIREMENT</b>	10 – 40V wide-range voltage input
<b>MECHANICAL</b>	Dimension (H x W x D): 6" x 9" x 13" Conduction-cooled design
<b>CONNECTORS</b>	D38999 connectors
<b>ENVIRONMENTAL</b>	Operating Temp.: -40°C to +60°C Storage Temp.: -40°C to 85°C Humidity: Up to 95% RH, non-condensing Altitude: MIL-STD-810 Procedures I-IV EMI/EMC: MIL-STD-461 Power: MIL-STD-704, MIL-STD-1275 Shock & Vibe: MIL-STD-810, Methods 514.6 and 516.6

### ORDERING INFORMATION

