

# GREYHOUND

## DEVELOP & DEPLOY

### Avionics Mission Computer

SIP's new small-footprint avionics computer features Intel's® ultra-low power ATOM™ fanless processor options, 1553 and ARINC databus protocols via mini-PCIe expansion slots.



Small-footprint Standard Military-grade, Conduction-cooled, IP67 Enclosure

### Performance & Flexibility

The GREYHOUND ADS is a fully-functional Intel® ATOM-based computer packaged into a small, lightweight, conduction-cooled enclosure. We provide both a low cost fanless rugged chassis as well as a full conduction-cooled MIL grade design for on platform/deployable operations. The use of our miniPCIe expansion allow us to provide various configurations of MIL-STD-1553, ARINC 429/708/717 and discrete I/O with base RS-232/422/485, Ethernet, USB, video and audio functions.

All configurations are designed to meet **MIL-STD-810**, **DO-160**, **MIL-STD-704** and **MIL-STD-461**; customer to advise specific methods and procedures.

### Key Features & Benefits

#### Low-power Intel® Processors:

Single, Dual or Quad Core ATOM™ Bay Trail, 1.46GHz to 1.91GHz

**Chipset:** Intel® System-on-chip (SoC) , 64-bit, Intel AES-NI, Intel VTx

**System ECC DRAM:** up to 8GB

**Flash Storage:** 32GB eMMC (standard), options for MSATA, SATA SSD

**Connectors:** Customized MIL-C-38999, to customer/application needs

**Storage Interface:** SATA, mSATA

#### I/O Ports:

- 5x Intel Gigabit Ethernet Ports
- 1x USB3.0 and 2x USB2.0 ports
- 1x RS232 and 1x RS422/RS485/CANbus
- Graphic Ports: Display Port, VGA/DVI Option

**Flexible I/O Node Expander:** Up to 4 additional Mini-PCI Express sockets

**I/O Options:** include MIL-STD-1553 and ARINC-429/717

**I/O Expansion:** Managed GigE Switch, WIFI, GPS, Analog I/O, CANbus, Removable Storage, Dual Display

**Operating Temperature Ranges:** Standard -20°C to +60°C / Optional 40°C to +85°C

Fanless, RCOTS enclosure option



Avionics Powered by:  
**Alta**dt  
data technologies, LLC  
www.altadt.com

### Specifications

#### Power Consumption:

8-36 VDC

8-18 Watts (platform-dependent)

#### Weight:

1.81kg / 4.0 lb for MIL conduction cooled (without mPCIe modules)

#### Enclosure Dimensions:

##### Standard Military Conduction-Cooled:

175mm L x 182mm W x 66mm H  
(6.89 in L x 7.17 in W x 2.60 in H)

##### Rugged COTS Fanless:

162.1mm L x 120mm W x 62mm H  
(6.38 in L x 4.72 in W x 2.44 in H)

##### Optional Military Conduction-Cooled:

198.05mm L x 123mm W x 62mm H  
(7.98in. x 4.84 in. x 2.44 in.)

### Model Number Configuration

**GREYCXM** MIL-Grade chassis

**GREYP3XR** Rugged COTS enclosure  
**X** = CPU selection

Contact SIP for specific configurations, I/O options and ordering numbers.

[www.vme.com](http://www.vme.com) [sales@vme.com](mailto:sales@vme.com)

8221 E. Evans Rd. Scottsdale, AZ 85260-3610

Phone: 480-513-8979 Fax: 480-513-3993

©2017 Systems Integration Plus, Inc. All rights reserved. Specifications subject to change without notice.



**SIP**™  
Systems Integration Plus Inc.