

# ACE FLIGHT™ 4780

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## ACE FLIGHT™ 4780 MODMAN

- ▶ 4MCU ARINC 791 MODMAN, Air-Flow Through System
- ▶ Satellite Modem
- ▶ Intel E3-1505L, 4-Core Processor with 32GB DDR4 RAM (ECC)
- ▶ L2/L3 Managed Ethernet Switch
- ▶ Qualified to DO-160G (pending)

**PRELIMINARY**

## ► TECHNICAL INFORMATION

FORM FACTOR	4MCU ARINC 791 MODMAN, air flow through unit
SATELLITE MODEM	Project based Satellite Modem Options
PROCESSOR	Intel D-1539, 8-Core Processor, 1.6GHz, 12MB Cache
DRAM	32GB DDR4-2133, ECC
OPERATING SYSTEM	Linux Ubuntu 16.04 LTS; Support for Windows Server
SECURITY	TPM 2.0 On board; Kontron WiBu Security Feature
STORAGE	128GB fixed storage (OS & application) 1x Fixed SSD (ordering option up to 8TB)
ETHERNET PORTS, REAR	11x 10/100/1000BT Ethernet Ports (switched) on ARINC 600 Connector
ETHERNET SWITCH	L2/L3 Managed Ethernet Switch
ARINC 429/717	Optional: ARINC 429, Five (5) Rx Channels, Two (2) Tx/Rx (configurable) Channels ARINC 717, One (1) Rx Channel
AIRCRAFT DISCRETES	ESD opto-isolated Aircraft Discrete Inputs/Outputs
CELLULAR MODEM	4G/LTE modem
USB 2.0	USB 2.0 on ARINC 600 Connector, can be used for interfaces to Aircraft Personality Module (APM) or USB 2.0 devices
FRONT PANEL I/O LEDs	USB 2.0, USB 3.0, RS-232 (switch & processor), RJ45 (Ethernet), dual uSIM, LED for Power On, System Operation and Modem Link Status
POWER	115VAC/360-800 Hz with 200msec Hold-up
ENVIRONMENT	Qualified to DO-160G (pending)
WEIGHT	14 lbs (subject to change)
THERMAL	Air Flow Through via Standard ARINC 600 Rack system or Cooling Tray
DIMENSIONS	4.88" (124mm) W x 7.62" (194mm) H x 12.7" (322mm) D

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