

# ACE Flight™ 4608



## ACE Flight™ 4608 Airborne Server

- ARINC 600 4MCU, air-flow through unit with front removable storage
- Intel® D-1539, 8-Core Processor with 32 GByte DDR4 RAM (ECC)
- L2/L3 managed ethernet switch
- dual 4G LTE modems
- qualified to DO-160G

<b>FORM FACTOR</b>	ARINC 600 4MCU, air flow through
<b>PROCESSOR</b>	Intel® D-1539, 8-Core Processor, 1.6 GHz, 12 MByte Cache
<b>DRAM</b>	32 GByte DDR4-2133, ECC
<b>OPERATING SYSTEM</b>	Linux™ Ubuntu 16.04 LTS; Support for other Linux distributions and Windows® Server
<b>SECURITY</b>	TPM 2.0 On board; Kontron WiBu Security Feature
<b>STORAGE</b>	Up to 4x SSDs; 128 GByte fixed storage (OS & application) Optional Storage: 1x Fixed SSD (ordering option up to 8 TByte) 2x Removable (separate ordering option up to 8 TByte)
<b>ETHERNET PORTS, REAR</b>	10x 10/100/1000BT Ethernet Ports (switched) on ARINC 600 Connector
<b>ETHERNET SWITCH</b>	L2/L3 Managed Ethernet Switch
<b>ARINC 429</b>	Six (6) Rx Channels, One (1) Tx/Rx (configurable) Channel
<b>AIRCRAFT DISCRETES</b>	9x Inputs/ 4x Outputs System Enable Input, CPU Reset, Configuration Bits
<b>AUDIO</b>	2 Channel Audio Outputs
<b>CELLULAR MODEM</b>	Dual 4G/LTE modems for global coverage
<b>USB 2.0</b>	USB 2.0 on ARINC 600 Connector, can be used for interfaces to Aircraft Personality Module (APM) or USB 2.0 devices
<b>FRONT PANEL LEDs</b>	USB 2.0, USB 3.0, RS-232(switch & processor), RJ45 (Ethernet), dual uSIM per modem; LED for Power On, System Operation and Modem Link Status
<b>POWER</b>	115 VAC/360-800 Hz with 200 msec Hold-up
<b>ENVIRONMENT</b>	Qualified to DO-160G
<b>WEIGHT</b>	12.4 lbs
<b>THERMAL</b>	Air Flow Through via Standard ARINC 600 Rack system or Cooling Tray
<b>DIMENSIONS</b>	4.88" (124 mm) W x 7.62" (194 mm) H x 12.7" (322 mm) D

## Ordering Information

ARTICLE	PART NO.	DESCRIPTION
SERVER, LAB	73002008-004	LRU, SERVER, ACE FLIGHT 4608, 4G (800 GByte SSD), LAB ONLY
AIR TRAY, LAB	73002008-500	AIR TRAY & BREAKOUT CABLE ASSY
SERVER, PRODUCTION	73002008-104	LRU, SERVER, ACE FLIGHT 4608, 4G (*960 GByte Fixed SSD)
RSSD	5140550-131	1 TByte
RSSD	5140550-132	2 TByte
RSSD	5140550-133	4 TByte
RSSD	5140550-134	8 TByte

\* Other storage capacity sizes available, contact factory



## About Kontron

Kontron is a global leader in IoT/Embedded Computing Technology (ECT) and offers individual solutions in the areas of Internet of Things (IoT) and Industry 4.0 through a combined portfolio of hardware, software and services. With its standard and customized products based on highly reliable state-of-the-art technologies, Kontron provides secure and innovative applications for a wide variety of industries. As a result, customers benefit from accelerated time-to-market, lower total cost of ownership, extended product lifecycles and the best fully integrated applications.

For more information, please visit: [www.kontron.com](http://www.kontron.com)

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