ACE FLIGHT™ 4600

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ACE FLIGHT™ 4600 GENERAL PURPOSE AIRBORNE SERVER

▶ ARINC 600 4MCU, sealed unit with front removable SSDs
▶ Intel® Core™ i7 processor with 16 GByte DRAM
▶ internal Gigabit L2/L3 Managed Ethernet Switch
▶ qualified to DO-160G
▶ 4G LTE/HSPA+/EV-DO Modem

POSSIBILITIES START HERE **kontron**

ACE FLIGHT™ 4600
GENERAL PURPOSE AIRBORNE SERVER

The Kontron ACE Flight 4600 is a complete, highly integrated application-ready platform that is specifically designed to meet advanced communication application requirements for Ethernet-based network installations on both linefit and retrofit aircraft. Qualified to D0-160G and optimized for a full range of flight information systems, the enhanced Kontron ACE Flight 4600 line is an ideal platform to build applications that include: crew and passenger web servers, flight maintenance or manifest servers, connectivity server, wireless content server and In-Flight Entertainment (IFE) servers.

// Server shown with removable
SSD Assembly installed in slot RSSD 1

▶ TECHNICAL INFORMATION

FORM FACTOR	ARINC 600 4MCU
PROCESSOR	Intel® Core™ i7
PROCESSOR SPEED	1.5 GHz
DRAM	16 GByte of DDR3
O/S	Linux or Windows
STORAGE SSD INTERNAL (1)	Solid State Drive(s) 1 Fixed, 2 Removable 800 GByte; contact factory for other available storage sizes
ETHERNET PORTS, REAR	10 ports 1000BT Ethernet, 1 management port 10/100BT
ETHERNET SWITCH	16 port, L2/L3 Managed
ARINC429	6 Rx and 3 Tx channels
A/C DISCRETES	6 inputs, 4 outputs with ESD/Opto-isolation
TERRESTRIAL MODEM	4G LTE/HSPA+/EV-DO for global market and multi-operator support (See part numbers below for regional coverage) Single antenna connection on ARINC 600 (does not support diversity mode)
FRONT PANEL	VGA, USIM, USB, 2x RS232, 10/100/1000Base T port
POWER	115 VAC/360-800 Hz with 200 msec Hold-up Less than 55 W
ENVIRONMENT	Cooling-sealed natural convection; Qualified to DO-160G
WEIGHT	10 lbs
DIMENSIONS	4.88" (124 mm) W x 7.62" (194 mm) H x 12.7" (322 mm) D

▶ ORDERING INFORMATION

ARTICLE	PART NO.	DESCRIPTION
ACE FLIGHT™ 4600	73002003-104 (PMA) 73002003-004 (Not for Flight)	LRU, Server, ACE Flight 4600, with 960 GByte (fixed drive), 4G Modem (North America)
	73002004-104 (PMA) 73002004-004 (Not for Flight)	LRU, Server, ACE Flight 4600 with 960 GByte (fixed drive), 4G Modem (EU, APAC)
RSSD	5140550-131	1 TByte
RSSD	5140550-132	2 TByte
RSSD	5140550-133	4 TByte
RSSD	5140550-134	8 TByte
	5155089-3	Air tray & breakout cable assy (Lab development)
	5007031-2	Kit, external server cables (Lab development)

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