

ACE FLIGHT™ 4600



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



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 960 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 D0-160G |
| 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) | LRU, Server, ACE Flight 4600, with 960 GByte (fixed drive), 4G Modem (North America) |
| | 73002003-004 (Not for Flight) | |
| | 73002004-104 (PMA) | LRU, Server, ACE Flight 4600 with 960 GByte (fixed drive), 4G Modem (EU, APAC) |
| 73002004-004 (Not for Flight) | | |
| 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) |

► CORPORATE OFFICES

EUROPE, MIDDLE EAST & AFRICA

Lise-Meitner-Str. 3-5
86156 Augsburg
Germany
Tel.: + 49 821 4086 0
Fax: + 49 821 4086 111
info@kontron.com

NORTH AMERICA

9477 Waples Street
San Diego, CA 92121
USA
Tel.: + 1 888 294 4558
Fax: + 1 858 677 0898
info@us.kontron.com

ASIA PACIFIC

1-2F, 10 Building, No. 8 Liangshuihe 2nd Street,
Economic & Technological Development Zone,
Beijing, 100176, P.R.China
Tel.: +86 10 63751188
Fax: +86 10 83682438
info@kontron.cn