

ACE Flight™ 904



ACE Flight™ 904 AIRBORNE SERVER

- ▶ small form factor, sealed unit with fixed and removable SSDs
- ▶ Intel® Dual-Core™ i5-4422E, 1.8 GHz, 16 GByte ECC RAM
- ▶ L2 ethernet switch
- ▶ ARINC 429 interface
- ▶ qualified to DO-160G (pending)

POSSIBILITIES START HERE



▶ TECHNICAL INFORMATION

FORM FACTOR	Small form factor, sealed unit
PROCESSOR	Intel® Dual-Core™ i5-4422E, 1.8 GHz
DRAM	16 GByte DDR3, ECC
OPERATING SYSTEM	Linux Ubuntu 16.04 LTS; Support for Windows
SECURITY	TPM 2.0 On board
STORAGE	128 GByte fixed storage (OS & application) Optional Storage: Removable SSD (separate ordering options)
ETHERNET PORTS	2x 10/100/1000BT Direct Ethernet Ports 4x 10/100/1000BT Switched Ethernet Ports
ETHERNET SWITCH	L2 Managed Ethernet Switch
ARINC 429	Four (4) Rx Channels (fixed), Two (2) Tx/Rx (configurable) Channels
SERIAL, DISCRETES	8x GPI (In), 4x GPO (Out) and 12x GPIO, (SE) LVTTTL 4x Serial Ports configurable for RS422 and/or RS485 (user configurable)
AUDIO	2x Differential Out; 1x Single End (SE) Out 4x Single End (SE) In
VIDEO	VGA (maintenance port), HDMI
USB	3x USB 2.0, 1x USB 3.0
POWER	+28 VDC with 250 msec Hold-up, 40 W nominal
ENVIRONMENT	Qualified to DO-160G (pending)
WEIGHT	7.3 lbs (3.3 kg)
THERMAL	-40 °C to +70 °C per DO-160G CAT A2
DIMENSIONS	8.5" (216 mm) W x 5.6" (142 mm) D x 3.9" (99 mm) H
OPTIONS (PROJECT BASED)	4G/LTE Cellular Modem with front SMA 802.11ac/abgn WiFi with front SMA

▶ ORDERING INFORMATION

ARTICLE	PART NO.	DESCRIPTION
AF904 Server, Lab	78510904-001	LRU, SERVER, ACE FLIGHT™ 904, LAB ONLY (no PMA)
Cable Kit, Lab	78510904-500	BREAKOUT I/O CABLE KIT
RSSD, No PMA	5160550-3	RSSD, 256 GByte (no PMA)
AF904 Server, PMA	78510904-102	LRU, SERVER, ACE FLIGHT™ 904, PMA
RSSD, PMA	5160580-2	RSSD, 128 GByte, PMA
	5160580-3	RSSD, 256 GByte, PMA
	5160580-4	RSSD, 512 GByte, PMA
	5160580-5	RSSD, 960 GByte, PMA

Note: For other standard configurations consult factory.

▶ CORPORATE OFFICES

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