

CABINPINNACLE™

A SERVER FROM THE SUMMIT LINE

Telefonix® CabinPinnacle™ general purpose airborne server/router is a complete, highly integrated, application-ready platform for Ethernet-based network installations.

Behind every great on-aircraft passenger entertainment and connectivity solution is a great server. The growing demand for comfort and technology driven customer experiences has created a paradigm shift for airlines. How to implement or evolve streaming multi-media applications and wireless internet services for passengers' personal electronic devices is now a consideration for every airline operator. Meeting this need is at the heart of the CabinPinnacle server.

Qualified to DO-160G and optimized for a full range of flight information systems, the Telefonix CabinPinnacle server is an ideal platform to build applications that include crew and passenger web servers, flight maintenance or manifest servers, connectivity servers, wireless content servers and In-Flight Entertainment (IFE) media servers.

The CabinPinnacle integrates a quad core 2.4 GHz Intel® Core™ i7 processor with 16GB of DDR3 memory. CabinPinnacle supports massive connectivity and bandwidth demands utilizing features such as an L2/L3 managed Gigabit Ethernet Switch with 11 externally available Gigabit Ethernet ports. Designed specifically for aircraft environments, this ARINC 600 4MCU form factor includes 6 ARINC 429 channels, 20 aircraft discrete I/O, and integrated self-healing health monitoring. OS includes both Linux and Windows operating systems as well as the availability of integrated software APIs.

THE SUMMIT LINE

The Telefonix Summit line of aircraft Inflight Entertainment and Connectivity (IFEC) equipment is comprised of state-of-the-art system components that offer you the premier solution set available on the market today. Summit hardware elements can easily be added to enhance your current system or can be combined to create a unique solution to meet your IFEC needs.



PRODUCT FEATURES

- 4th Generation Intel® Core™ i7 Processor, 4700EQ (Haswell) Quad Core 4x 2.4 GHz
- 11x GigE Available on ARINC 600 Connector
- Discrete I/O 10x Input / 10x Output
- Extensive Front Panel Maintenance Connectors
- Mass Storage:
 - Internal 3x Solid State Drive (SSD)
 - Front Panel Accessible CFast Memory Card
- Support for Airplane Personality Module (APM)
- Internal 4G/LTE Modem with Front Accessible Dual USIM (software selectable)
- Security: TPM per TPM 1.2 Specifications
- Front Panel Status LEDs
- Airborne Power Supply Meets Boeing and Airbus Specifications for Hold-Up and Harmonic Distortion
- Form Factor: 4MCU per ARINC 600

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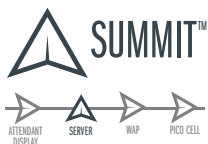


SERVER UNIT FEATURE SUITE

COMPONENT	DESCRIPTION
Processor	4th Generation Intel® Core™ i7 Processor Platform (Haswell)
Memory	16 GB DDR3, 1600MHz
Maintenance Ports: USB 3.0, Type A DB15HD RJ45 SIM Connector DB9M	USB 3.0 VGA Gigabit Ethernet 2x Push/Pull Slot for USIM Cards Serial (RS232)
Mass Storage	Internal: Up to 3x 800GB SATA 800GB SATA Drive CFast Slot for Boot Media
1-wire Serial EEPROM	Tray Mounted 1-Wire Device for Installation Specific Data (ICAO)
Cell Modem	GSM (4G, LTE) w/USIM Based on Sierra Wireless MC7330
AC Discretes	10x Input / 10x Output
ARINC 429	4 Rx / 2Tx
ARINC 485	1x Half-Duplex Port
Security	TPM On-Board per TPM 1.2 Specifications
External Ethernet Ports	11x Gigabit Ethernet Available on ARINC 600 Connector
Front Panel Indicators	3x LEDs to Indicate Power On, and System Operation
Power Supply Unit	115VAC, 360Hz-800Hz, Single-phase, 200msec Hold-up (min)
Weight	12 lbs.
Mechanical Form Factor	4MCU per ARINC 600
Thermal	Active Cooling via Cooling Tray

ENVIRONMENTAL/EMI TEST REQUIREMENTS

DESCRIPTION	SECTION	RTCA/DO-160G CATEGORY
Temperature	Section 4	4.5.1; Category A1
Altitude and Overpressure	Section 4	4.6.3; Category A1
Temperature Variation	Section 5	5.3.1; Category C
Humidity	Section 6	4.6.1; Category A
Operational Shock / Crash Safety	Section 7	7.2; Category B
Vibration	Section 8	8.5.2; Category S, Curve B
Magnetic Effect	Section 15	Category A
Power Input	Section 16	Category A(WF)H
Voltage Spike	Section 17	Category A
Audio Frequency Conducted Susceptibility - Power Inputs	Section 18	Category R(WF)
Induced Signal Susceptibility	Section 19	Category AW
RF Susceptibility	Section 20	Category T
RF Emissions	Section 21	21.0; Category M
Lightning-Induced Transient	Section 22	Category B2xxx - Power Supply Pins Category xxC1xx - Unshielded Cables Category xxE1xx - Shielded Cables
Fire / Flammability	Section 26	14 CFR Section 25.853(A) and 14 CFR Section 25.869(A)(4)



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