



A PICOCELL FROM THE SUMMIT LINE

The Telefonix® CabinPeak™ Pico Cell is a new, ultra-fast data mobile wireless communications device specifically designed for aircraft wireless network environments where passengers are using mobile cellular devices.



The small form factor and low power consumption design of CabinPeak is suitable for new commercial and business jet installations or can be used to enhance passenger experience on existing in-flight entertainment and connectivity (IFEC) installations. This product enables both flight crew and passenger uses of voice and text, multimedia streaming, and in-flight web browsing.

The CabinPeak Pico Cell solution is targeted for high-bandwidth baseband cellular applications. The product is built on a powerful hardware platform in order to provide best-in-class performance while also taking care to optimize cost and power factors. The CabinPeak unit eliminates the need for a separate Network Control Unit or “Jammer” while providing seamless cellular access for passengers and crew. The cellular component is easily integrated into existing or new IFEC systems with its simple “bolt on” installation design.

CabinPeak is based upon the SkyLynx Core, a full cellular network core. SkyLynx is a software based network core that provides full functionality for 2G, 3G and 4G/LTE customers. The SkyLynx Gateway provides the roaming connection to ground based cellular networks for real-time voice, text and data communications. A transparent and seamless user experience is provided to your passengers. CabinPeak provides an all-in-one, single device platform and tap and click crew operations. Simplified for both installation and operation.

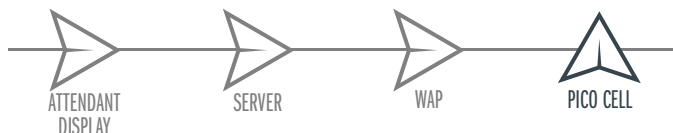
## PRODUCT FEATURES

- Full Support of 2G/3G and 4G-LTE Devices
- Up to 128 Simultaneous Users
- Local Media Caching
- Standard IP Connectivity
- Supports Multiple Transports
- VSAT and Terrestrial
- On Aircraft SGSN/GGSN – S-GW/P-GW
- Signaling Handled On-Board (99%)
- In-Cabin, Seat-to-Seat Voice and Texting Supported

L x W x H: 14.00” x 12.00” x 2.39”  
Weight: 12 lbs (5.45 Kg)

## 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.



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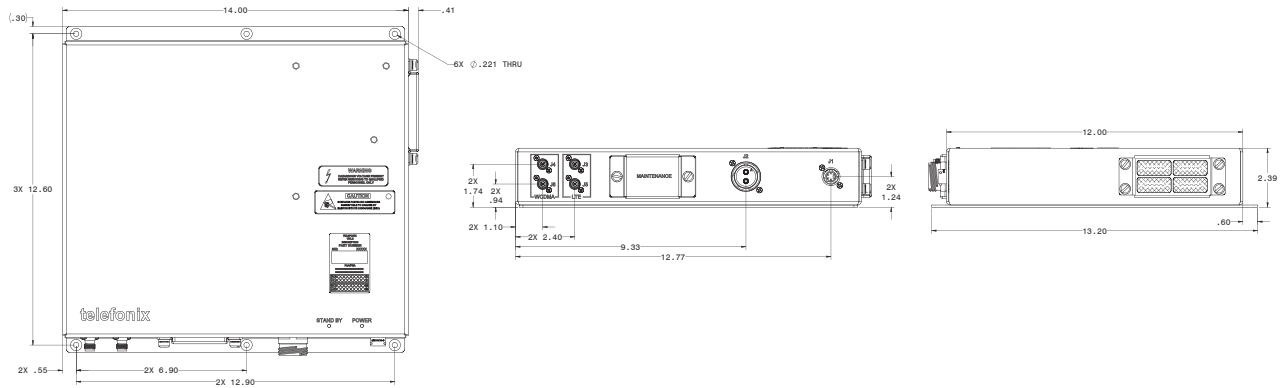
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# OUTLINE DIMENSIONS

Inches

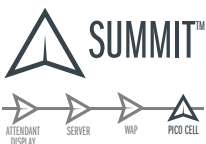


## CONNECTORS

INTERFACE	REF DESIGNATOR	FUNCTION	TYPE / PN
Aircraft	J1	Input Power	Mil / MS3112E-6P
	J2	GigE	Quadrax / 2157455-1 (TE)
	J3-J6	RF	TNC / (various)
Maintenance	J7	VGA	DB15 HD (F) / (various)
	J8	USB	Type A Recpt. / (various)
	J9	RS232	DB9 (M) / (various)
	J10	GigE	RJ45 / (various)

## 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)X
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 xxC1x - Unshielded Cables Category xxE1x - Shielded Cables
Fire/Flammability	Section 26	14 CFR Section 25.853(A) and 14 CFR Section 25.869(A)(4)



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