

CEL-FI QUATRA EVO Fiber Hub

In-Building Cellular Coverage Expansion Solution

MODEL NUMBER: Q40-Z1FNU

The CEL-FI QUATRA EVO Fiber Hub is a coverage expansion solution for the CEL-FI QUATRA EVO active DAS hybrid. The QUATRA EVO Fiber Hub enables enterprises to expand the coverage area for one or two mobile network operator (MNO) signals by enabling a single CEL-FI QUATRA EVO Network Unit (NU) to support up to six additional Coverage Units (CU) for a total of up to 12. The QUATRA EVO Fiber Hub can be installed 1.24 miles (2.0 km) away from the NU to cover a larger space or adjacent building while maintaining the same signal quality throughout the system.



Features and benefits include:

- Fiber expansion scales all-digital active DAS hybrid CEL-FI QUATRA EVO for enterprise environments
- Ideal for easily increasing CEL-FI QUATRA EVO coverage area with minimal infrastructure and costs
- Single- or Dual-Operator fiber expansion solution for 4G and 5G with industry-leading signal gain of up to 100 dB
- Lossless RF signal and Power-over-Ethernet (PoE) distribution with easy-to-install category cable architecture
- Remotely monitor and configure with Nextivity WAVE Portal without requiring separate LAN connectivity
- FCC certified

Specifications

Compatibility	CEL-FI QUATRA EVO Network Unit (Q42-Z1CNU)
Duplex Modes	FDD
# of Relay Bands	4 max.
Independent Operators Supported	2 max.
Fiber Hub to CU Cable	2x Category Cables ANSI/TIA/EIA 568-B Compliant
Fiber Hub to CU Cable Distance	328 ft (100 m) or 656 ft (200 m) with CEL-FI QUATRA Range Extender) max.
Product Settings & SW Updates	WAVE Portal for Desktop

Interface

Power Port	IEC C14
Power Control	ON/OFF Switch
Status LED (Power)	Bi-Color Green/Red
Status LED (6x CU Link/SFP+)	Green
CU Interface	2x RJ45 per CU
NU Interface	SFP+ (not included)
# of CU max	6
Monitoring & Management	WAVE Portal via NU
Factory Debug	USB 2.0 Micro-B

Compliance

FCC	Part 15
UL	Yes
ISED	Yes

Power

Input Voltage	120 V
Input Current	3.5 A
Power Consumption	321.3 W max.
Power Interface	Type B (US) to IEC C13
Power Supply Cable	18 AWG
Power Supply Cable Length	6 ft (1.8 m)
Coverage Unit Power	Power over Ethernet

Environmental

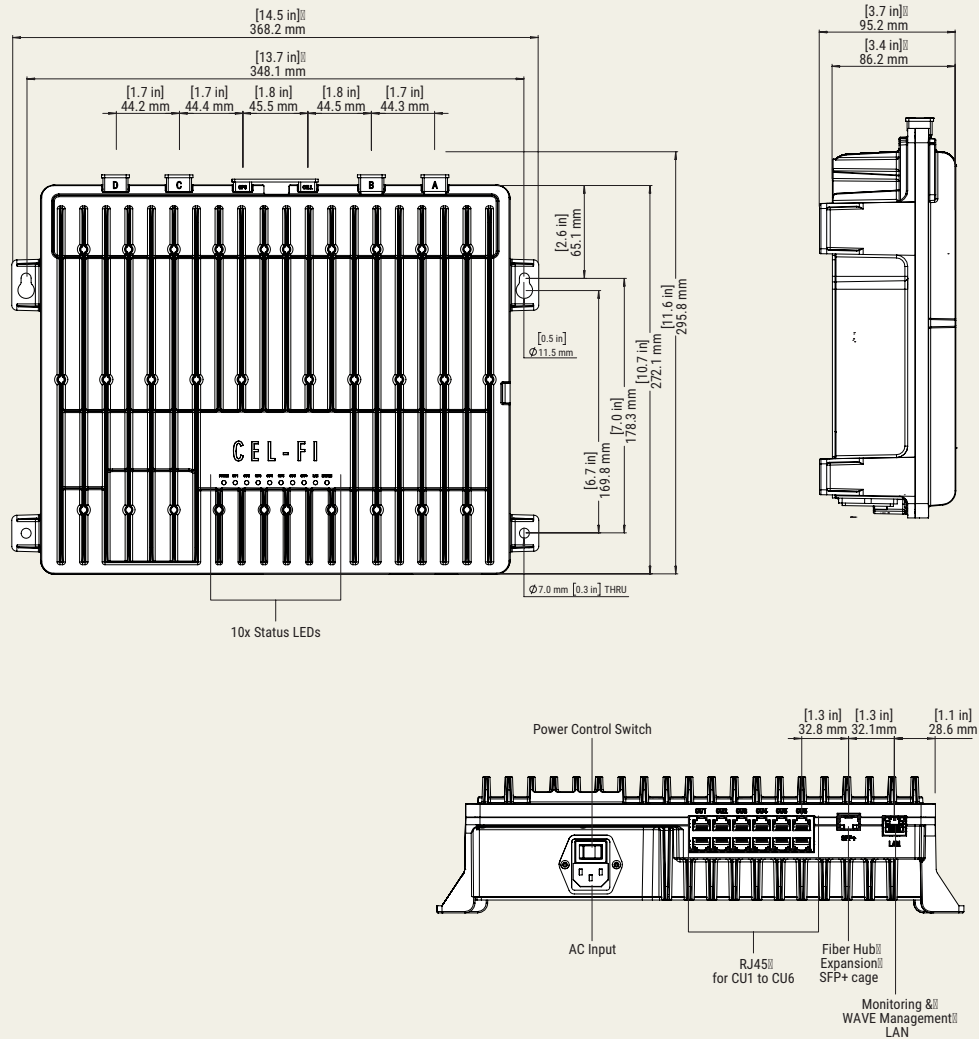
Operating Temperature	32 to 104 °F (0 to 40 °C)
Storage Temperature	-31 to 158 °F (-35 to 70 °C)
Heat Dissipation	Passive Convection
Surface Temperature	111°F (44 °C) max. at ambient
Non-condensing Humidity	0 to 95%
Ingress Protection Rating	IPX0

Mechanical & Packaging

	CEL-FI QUATRA EVO Fiber Hub
Box Contents	1x AC Power Cable 4x Mounting Screws 4x Drywall Anchors
Dimensions	14.5 x 11.6 x 3.7 in (368.2 x 295.8 x 95.2 mm)
Weight	15.0 lbs (8.7 kg)
Shipping Dimensions	20.35 x 14.69 x 5.39 in (517 x 373 x 137 mm)
Shipping Weight	17.64 lbs (8.0 kg)
Mounting	Wall

Note: Product specifications are subject to change without prior notification.

CEL-FI QUATRA EVO Fiber Hub Outline



Reference Configuration

