

CEL-FI QUATRA EVO Fiber Hub

In-Building Cellular Coverage Expansion Solution

MODEL NUMBERS: Q40-E9FNU

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 3G/4G/5G with an 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
- CE Approved

Specifications

Network Unit Compatibility	CEL-FI QUATRA EVO Network Unit (Q42-E9CNU) CEL-FI QUATRA EVO Network Unit (Q42-FGCNU)
Coverage Unit Compatibility	CEL-FI QUATRA EVO Coverage Unit (Q41-EXCU-2 & Q41-HXCU-2)
# 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 WAVE Field Tool for Windows

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 & WAVE Field Tool	USB 2.0 Micro-B

Compliance

CE	Compliant
RoHS3	EN 63000: 2018
OFCOM	VTS 2102
ACMA/RCM	AS/NZS CISPR, 32:2013

Power

Input Voltage	85-264 VAC
Input Current	2.45 A
Power Consumption	480.6 W max.
Power Interface	Type C (EU) or Type I (AUS) or Type G (UK) to IEC C13
Power Supply Cable	18 AWG
Power Supply Cable Length	6 ft (1.8 m)
Coverage Unit Power	PoE+ per IEEE 802.3at

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

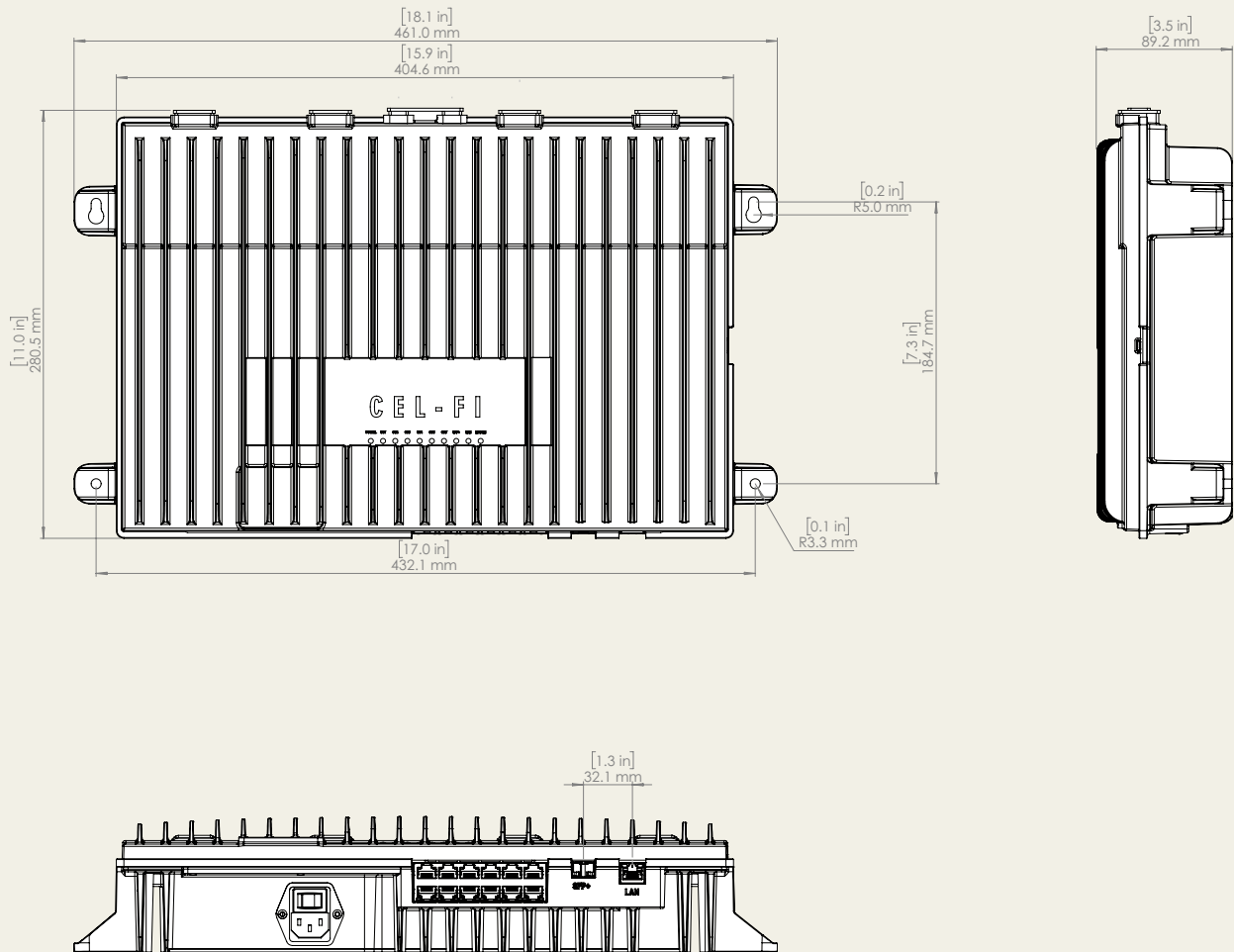
Main Unit Dimensions (in (mm))	18.1 x 11.0 x 3.5 (459.7 x 279.4 x 88.9)
Main Unit Weight (lbs (kg))	19.2 (8.7)
Mounting	Wall

Ordering Information

M/N	Q40-E9FNU
Region	EMEA/APAC
	CEL-FI QUATRA EVO Fiber Hub
Box Contents	1x AC Power Cable
	4x Mounting Screws
	4x Drywall Anchors
Shipping Dimensions (in (mm))	23.9 x 14.7 x 5.6 (607 x 374 x 141)
Shipping Weight (lbs (kg))	22.2 lbs (10.1 kg)
Harmonized Tariff Schedule (HTS)	8517.18.00.50
Export Control Classification Number (ECCN)	EAR99

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

CEL-FI QUATRA EVO Fiber Hub Outline



Reference Configuration

