

CEL-FI QUATRA 4000e Fiber Hub

In-Building Cellular Coverage Expansion Solution

MODEL NUMBERS: Q40-EFNU

The CEL-FI QUATRA 4000e Fiber Hub is a coverage expansion solution for the active DAS hybrid CEL-FI QUATRA 4000e. The QUATRA 4000e Fiber Hub enables enterprises to expand their multi-operator coverage area, enabling a single CEL-FI QUATRA 4000e Network Unit (NU) to support up to six additional Coverage Units (CU) for a total of up to 12. The QUATRA 4000e Fiber Hub can be installed up to 2.0 km (1.24 M) away from the NU to cover a larger space or adjacent building while maintaining the same signal quality throughout the system.



Features and benefits:

- Fiber expansions scales all-digital active DAS hybrid CEL-FI QUATRA 4000e for enterprise environments
- Ideal for easily increasing CEL-FI QUATRA 4000e coverage area with minimal infrastructure and costs
- Multi-carrier fiber expansion solution for 2G/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 4000e Network Unit (Q44-E999CNU & Q44-FGSGCNU)
Coverage Unit Compatibility	CEL-FI QUATRA 4000e Coverage Unit (Q41-EECU & Q41-HXCU)
# of Relay Bands	8 max.
Independent Operators Supported	4 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) (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 Cable 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

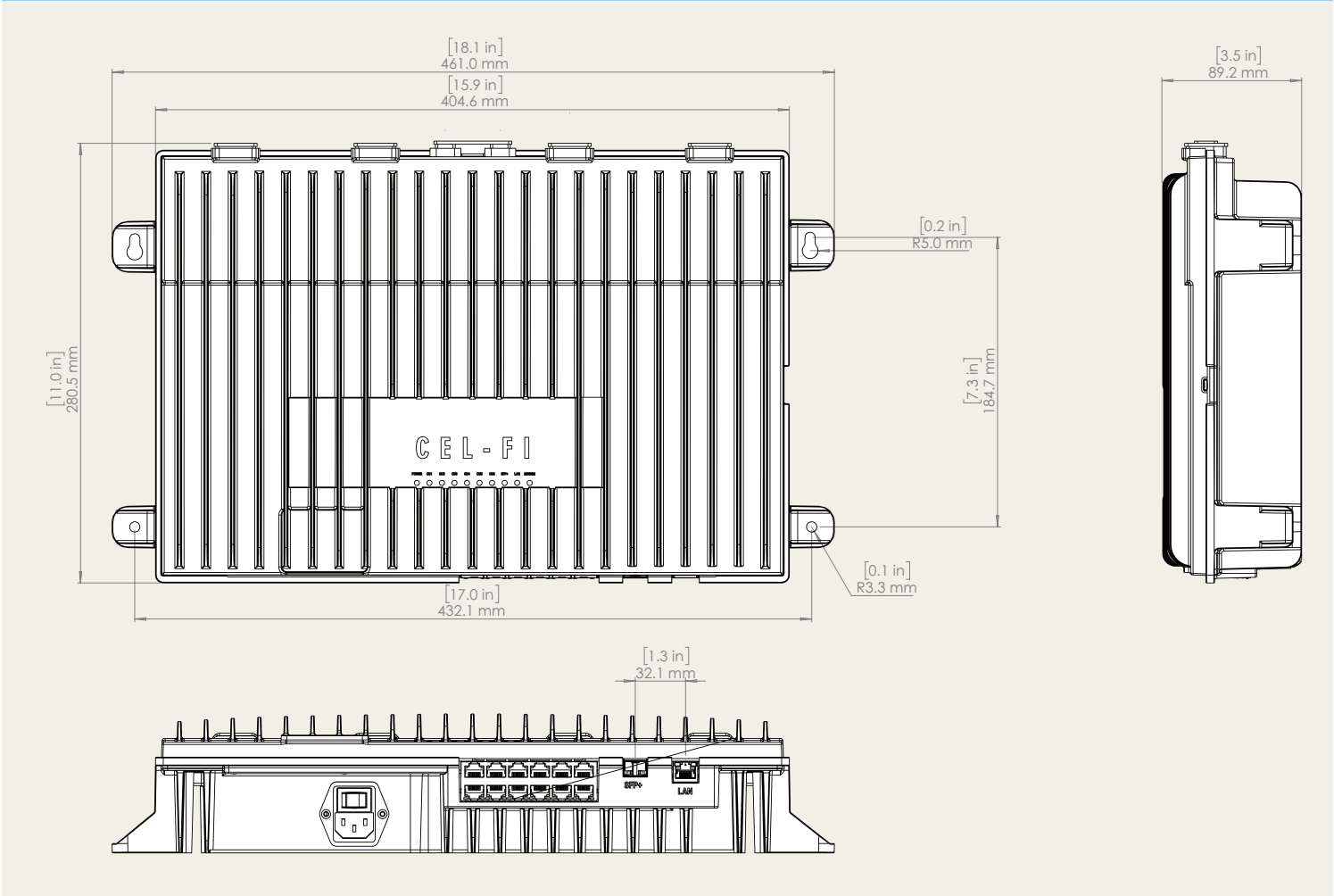
Main Unit Dimensions (in (mm))	18.1 x 11.0 x 3.5 (459.7 x 279.4 x 88.9)
Main Unit Weight (lbs (kg))	19.2 (8.7)
Mounting	Wall

Ordering Information

M/N	Q40-EFNU
Region	EMEA/APAC
Box Contents	QUATRA 4000e Fiber Hub
	1x AC Power Cable
	4x Mounting Screws
	4x Drywall Anchors
Shipping Dimensions (in (mm))	23.90 x 14.61 x 5.55 (607 x 371 x 141)
Shipping Weight (lbs (kg))	22.2 lbs (10.1 kg)

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

CEL-FI QUATRA 4000e Fiber Hub Outline



Reference Configuration

