CEL-FI QUATRA 4000c Fiber Hub
In-Building Cellular Coverage Expansion Solution

MODEL NUMBERS: Q40-1234FNU

The CEL-FI QUATRA 4000c Fiber Hub is a coverage expansion solution for the market's first neutral host active DAS hybrid with the convergence of private networking: CEL-FI QUATRA 4000c. The QUATRA 4000c Fiber Hub enables enterprises to expand their multi-operator coverage area, enabling a single CEL-FI QUATRA 4000c Network Unit (NU) to support up to six additional Coverage Units (CU) for a total of up to 12. The QUATRA 4000c 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 include:

- Fiber expansions scales all-digital active DAS hybrid CEL-FI QUATRA 4000c for enterprise environments
- Ideal for easily increasing CEL-FI QUATRA 4000c coverage area with minimal infrastructure and costs
- Multi-carrier fiber expansion solution for 4G, 5G, and private networking 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
- FCC certified

Specifications

Compatibility	CEL-FI QUATRA 4000c Network Unit (Q44-1M34CNU)
Duplex Modes	FDD & TDD
# of Relay Bands	6 max. Source NU Port 4 unlock Industrial upgrade allows total 7
Independent Operators Supported	3 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

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

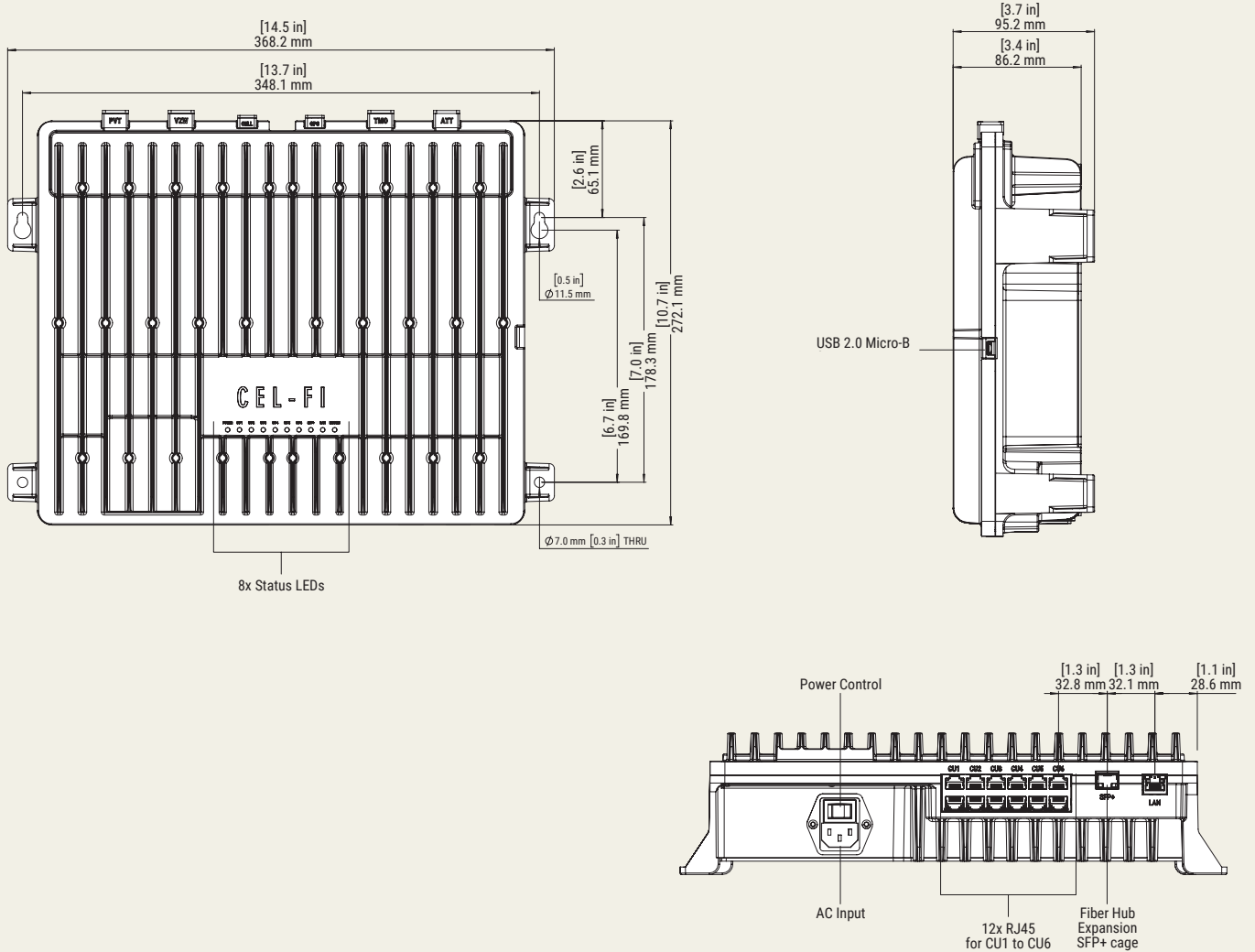|	
Input Voltage	120 V
Input Current	3.5 A
Power Consumption	321.3 W max.
Power Cable	Type B (US) to IEC C13
Power Supply Cable	18 AWG
Power Supply Cable Length	6 ft (1.8 m)
Coverage Unit Power	Power over Ethernet

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

Box Contents	QUATRA 4000c Fiber Hub
	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 (6.8 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 4000c Fiber Hub Outline

Reference Configuration

DONOR ANTENNAS

CEILING OMNI ANTENNA

DIRECTIONAL ANTENNA

HORIZONTAL COAX RUN(S)

COAX RUN TO DONOR

CATEGORY CABLE

CU

QFRE

QRE

NU

PVT

HUB

FIBER