

CEL-FI™

QUATRA 4000 Fiber Hub

In-Building Enterprise Cellular System

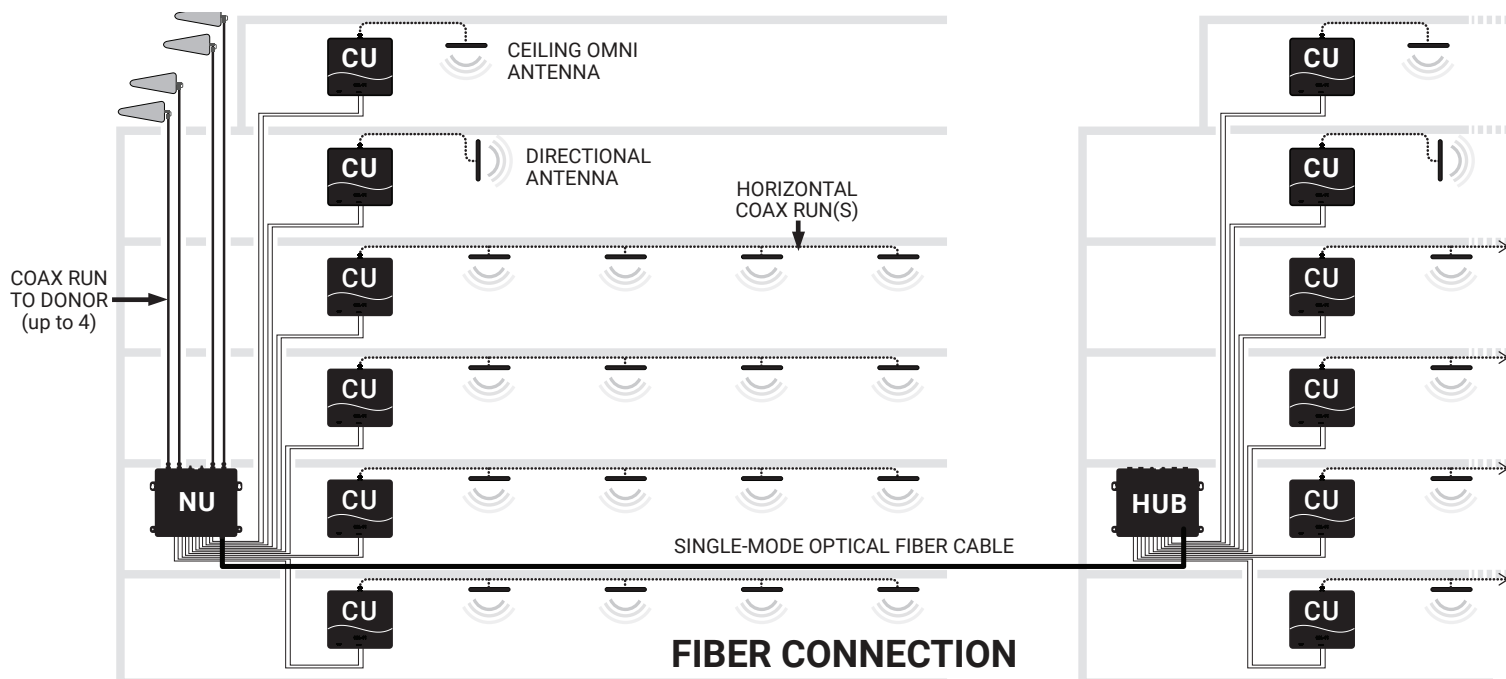
**NEXTIVITY**
Smarter by Design

Leveraging Fiber Connectivity for Enterprise



The Cel-Fi QUATRA 4000 Fiber Hub (fHub) expands the Network Unit capacity in QUATRA 4000 deployments from six to up to 12 Coverage Units. The fHub can be installed 2 km (1.2 miles) away from the NU to cover large spaces while maintaining the same signal quality throughout the system.

Industry-Leading Performance for Tall Structures, Campuses, and Multi-Building Installations



- Multi-carrier Active DAS Hybrid
- Donor Source Over Fiber
- FCC Certified
- SFP+ Module *(not included)*



The award-winning,
carrier-grade
solution.

A Fiber Expansion Unit for Cel-Fi QUATRA 4000

The fHub supports up to six Cel-Fi QUATRA 4000 Coverage Units (CUs). The Cel-Fi QUATRA 4000 Network Unit (NU) passes through the donor signal to the fHub via single or multi-mode fiber connection, supporting one NU to one fHub. The Cel-Fi QUATRA 4000 NU must be activated for Fiber via software. The SFP+ port on the NU connects to an aftermarket hot-pluggable SFP+ transceiver. The NU supports up to six CUs. Connected to the fHub, the NU can support an additional six CUs.



**Cel-Fi QUATRA 4000
Fiber Hub**
(Q40-1234FNU)

Hardware:



**Cel-Fi QUATRA 4000/4000i
Network Unit**
(Q44-1234CNU/i44-1234CNU)



**Cel-Fi QUATRA 4000/4000i
Coverage Unit**
(Q41-5ECU/i41-5ECU)



**Cel-Fi QUATRA 4000
Range Extender**
(Q40-OE)

	PRODUCT	BANDS	MODEL NUMBERS
INTEGRATION MODELS	Cel-Fi QUATRA 4000, PART 20	2/4/5/12/13/25/71	Q44-1234-CNU
	Cel-Fi QUATRA 4000i, PART 90	2/4/5/12/13/25/26/30/41/71	i44-1234CNU

SPECIFICATIONS			
HUB SUPPORT (OPTICAL)	SFP+	Duplex LC Connector 1310 nm	
NU FIBER INTERFACE	Optical	8.5%	16-QAM with full RB allocation
		8.5%	E-TM3.1
POWER	Hub Internal Supply	Voltage (VAC)	100–240
		Power - Typical (W)	200
		Power - Max (W)	321.3
SUPPORTED CUS	Coverage Units	Number Supported (Max)	6
		Category Cables per CU	2
		Interface Type	RJ45
USER INTERFACE	Power / Status	LED	RED / GREEN
	CU Link (1-6)	LED	GREEN
	Cellular Modem	LED	OFF (See NU for Status)
	Ethernet	LED	OFF (See NU for Status)
MECHANICAL	Dimensions	L x W x H (mm)	330 x 272 x 85
	Weight (kg)		6.5
	Mounting	Wall or Rack	Yes
	Cooling	Convection	Yes
	Power Supply	Internal with C13 Cord	Yes
ENVIRONMENTAL	Power Switch	On/Off Switch (Housing Mount)	Yes
	Maximum Surface Temperature	Measured at 30°C Ambient	44°C

Antennas:

Cel-Fi Blade Antenna
Included with Cel-Fi QUATRA 4000 CU
(A62-V44-200)



**Cel-Fi LPDA-R High-Gain
Directional Antenna**
(A62-V44-200)



Cel-Fi Low-Profile Antenna
(A11-H43-201)



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