

CEL-FI QUATRA 4000/4000i

Enterprise Cellular Coverage

 Performance Leadership

 Ease of Install

 Leaders in Value

 Fast Set Up

 Carrier Grade Approved



Multi-Carrier Active DAS Hybrid for 5G/4G/3G Voice and Data

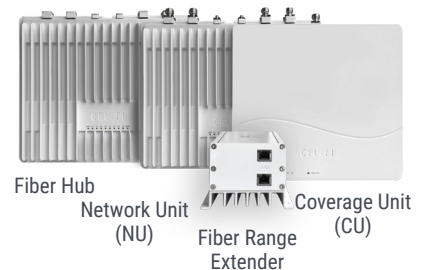
Spotty cellular coverage, poor voice quality, dropped calls, and dead zones continue to plague employees and visitors in enterprise and middleprise buildings. To solve that problem, CEL-FI QUATRA 4000 is an affordable, all-digital active DAS hybrid solution that provides uniform, high-quality cellular signal throughout any building. This industry-leading system is also carrier approved and guaranteed network safe.

The system utilizes Cat5e cabling for RF and Power over Ethernet, with no signal attenuation to the Coverage Unit (CU) embedded service antennas. In addition to being the most powerful solution on the market, QUATRA is cost-effective and designed to be installed within days (compared to months typical of other solutions).

Perfect for creating the ideal system, CEL-FI QUATRA 4000 is scalable to fit buildings of all sizes. Depending on the environment, size, and space, the system utilizes one or multiple Network Units (NUs), with each one providing power and distributing signal to up to six CUs. Together, the NUs and CUs support four operators.

Powered by IntelliBoost

The Nextivity proprietary IntelliBoost® chip uses digital signal processing to enhance cellular performance in real-time and ensure CEL-FI solutions provide unbeatable coverage for organizations and homes. In addition to delivering the industry's highest gain at the lowest cost per square foot, IntelliBoost enables Nextivity solutions to be unconditionally network safe and approved for use in over 100 countries by over 200 mobile network operators globally.



Highest Coverage Gain:
Up to 100 dB Max Gain for 5G/4G/3G Voice and Data

All Digital:
Cat5e PoE/RFoE Solution

Scalable:
Up to 125,000 ft² Coverage per Network Unit

Multi Mode:
Off-Air or Supercell Mode with Fiber Expansion

Network Safe:
Carrier Approved with No Noise Guarantee

CEL-FI WAVE Platform:
Set Up, Remote Monitoring, and Management

CEL-FI QUATRA is designed to be scalable for installers.

CEL-FI WAVE Compatibility

Providing control and optimization insight, the CEL-FI WAVE Portal is a web-based platform that enables an operator or integrator to remotely monitor equipment and system KPI's, such as channel configurations, RSRP, RSRQ, SINR, and system gains.

Network Safe

All CEL-FI systems employ self-organizing edge intelligence to constantly monitor power levels and donor-to-server antenna RF feedback with active echo cancellation. This automatically ensures maximum coverage power without interfering with operator networks and other local radio systems.

Off-Air Configuration

CEL-FI QUATRA systems are capable of retransmitting donor signals from outdoor directional antennas to indoor locations. Unlike typical BDA amplifiers, each operator channel is individually processed and power controlled to achieve full coverage power. This eliminates channel-to-channel coverage power variations due to differences in power of donor signals.

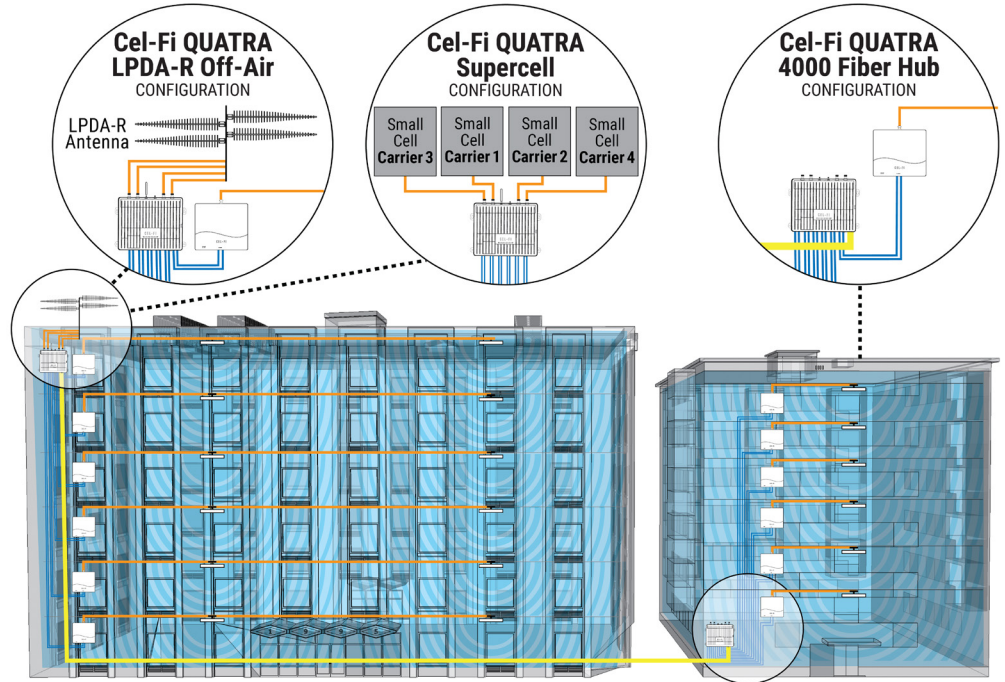
Supercell® Configuration

A Supercell is comprised of a CEL-FI QUATRA system connected to a small cell. Multiple QUATRA systems can be connected to a single small cell, or multiple small cells, to form a Supercell. A Supercell with QUATRA is more efficient than multiple small cells, and the CUs of a CEL-FI QUATRA system connected to a Supercell do not interfere with one another.

Fiber Extension

Expanding the capabilities of CEL-FI QUATRA systems, the CEL-FI QUATRA Fiber Range Extender (QFRE) increases the distance between the Network Unit and Coverage Unit up to 1.24 miles (2.0 km). This solution is ideal for high-rise structures, long distances, or multi-building facilities.

QUATRA 4000 is also compatible with the CEL-FI QUATRA 4000 Fiber Hub, which offers the same distance flexibility as the QFRE and allows a single NU to support up to 12 CUs.



MODEL NUMBERS:		
QUATRA 4000 (Part 20) NU: Q44-1234CNU CU: Q41-5ECU Bands: 2/4/5/12/13/25	QUATRA 4000i (Part 90) NU: I44-1234CNU CU: I41-5ECU Bands: 2/4/5/12/13/25/26/30/41/71	QUATRA 4000/4000i Fiber Hub Unit: Q40-1234FNU

ACCESSORIES:		ANTENNAS:			SOFTWARE:
CEL-FI QUATRA 4000 Range Extender 	CEL-FI QUATRA Fiber Range Extender 	CEL-FI Blade Antenna (Included) 	CEL-FI LPDA-R High-Gain Directional Antenna 	CEL-FI Low-Profile Antenna 	CEL-FI WAVE Management Portal cel-fi.com/software

