![Nextivity logo] **NEXTIVITY** — Smarter by Design

CEL-FI QUATRA 4000e
Multi-Operator Cellular Coverage Solution

Performance Leadership   **Ease of Install**   **Leaders in Value**   **Fast Set Up**   **Carrier Grade Approved**

Scalable Cellular Coverage Solution for Enterprise

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

The system utilizes category 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, QUATRA 4000e 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.

The IntelliBoost Difference
The IntelliBoost® chip uses digital signal processing to enhance cellular performance in real-time and ensure CEL-FI solutions provide unbeatable in-building coverage. 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.

Fiber Hub   Network Unit (NU)   Coverage Unit (CU)   Fiber Range Extender

Multi-Operator Solution:
Boost signals for four Mobile Network Operators (MNOs)

Powered by IntelliBoost:
Best echo cancellation, gain, and coverage footprint in the industry

Fiber Expansion:
Scale your system with the CEL-FI QUATRA 4000e Fiber Hub or CEL-FI QUATRA Fiber Range Extenders

Fast Installation:
System can be installed, commissioned, and activated within days

Network Safe:
Operator approved with no noise guarantee

Remote Monitoring and Management:
View real-time system performance via Nextivity WAVE Portal

Bring the Power of the Macro Network Indoors

What is Off-Air?

An off-air DAS (or Active DAS Hybrid) uses an antenna in one place to rebroadcast a signal to many antennas connected someplace else. In this case, each roof antenna collects a signal from a cell tower and sends it to multiple antennas inside the buildings. This is how Nextivity solutions deliver reliable in-building mobile connectivity to all parts of the building. They grab the strong signal from outdoors and bring it inside.

Channelized Signal Boosting

Built with the latest Nextivity proprietary IntelliBoost technology, the CEL-FI QUATRA 4000e offers channelized signal boosting – opposed to wideband signal repeating. While wideband repeaters boost all MNO signals the same, channelized amplification allows QUATRA 4000e to clean up individual signals separately, then boost each one to the maximum power allowed. This ensures reliable in-building mobile coverage for all four networks.

Network Safe

All Nextivity 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. In the U.K., Nextivity products meet Ofcom's strict requirements for mobile repeaters, making them the only legal and license-exempt solutions.

Fiber Extension

CEL-FI QUATRA fiber accessories allow you to expand your coverage footprint and provide even more installation flexibility. CEL-FI QUATRA Fiber Range Extenders (QFRE) increase the distance between the Network Unit (NU) and Coverage Unit (CU) up to 1.24 miles (2.0 km), while the CEL-FI QUATRA 4000e Fiber Hub provides the same distance capabilities and enables the NU to support an additional six CUs (12 total).

Example Diagram: 1 NU to 12 CUs with Fiber Expansion

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