CEL-FI™

QUATRA 4000e

Enterprise Cellular Coverage

CEL-FI by NEXTIVITY




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

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

MODEL NUMBERS:

QUATRA 4000e
NU: Q44-E999CNU
CU: Q41-EECU
Bands: 1/3/7/8/20/40

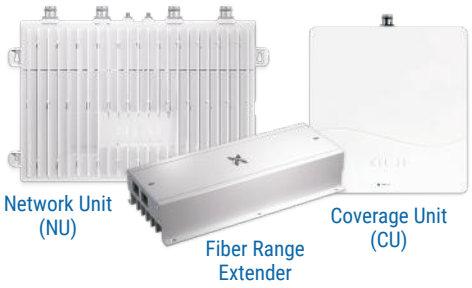
Spotty cellular coverage, poor voice quality, dropped calls, and dead zones continue to plague employees and visitors in enterprise buildings. To solve that problem, Cel-Fi QUATRA 4000e is an affordable, all-digital active DAS hybrid solution that provides uniform, high-quality cellular signal throughout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

Unlike older analog boosters and passive DAS technology, Cel-Fi QUATRA delivers a cellular signal that is up to 1000x stronger. 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 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.

IntelliBoost™ Chipset

The Nextivity IntelliBoost™ baseband processor is the first six-core processor designed specifically to optimize the indoor transmission and reception of 5G/4G/3G wireless signals. With advanced filtering, equalization, and echo-cancellation techniques, Nextivity has developed an architecture that delivers unprecedented in-building data rates and pervasive 5G/4G/3G connectivity. The IntelliBoost™ processor ensures that Cel-Fi products never negatively impact the macro network while providing maximum coverage.



- **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 12,000 m² 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 network 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

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.

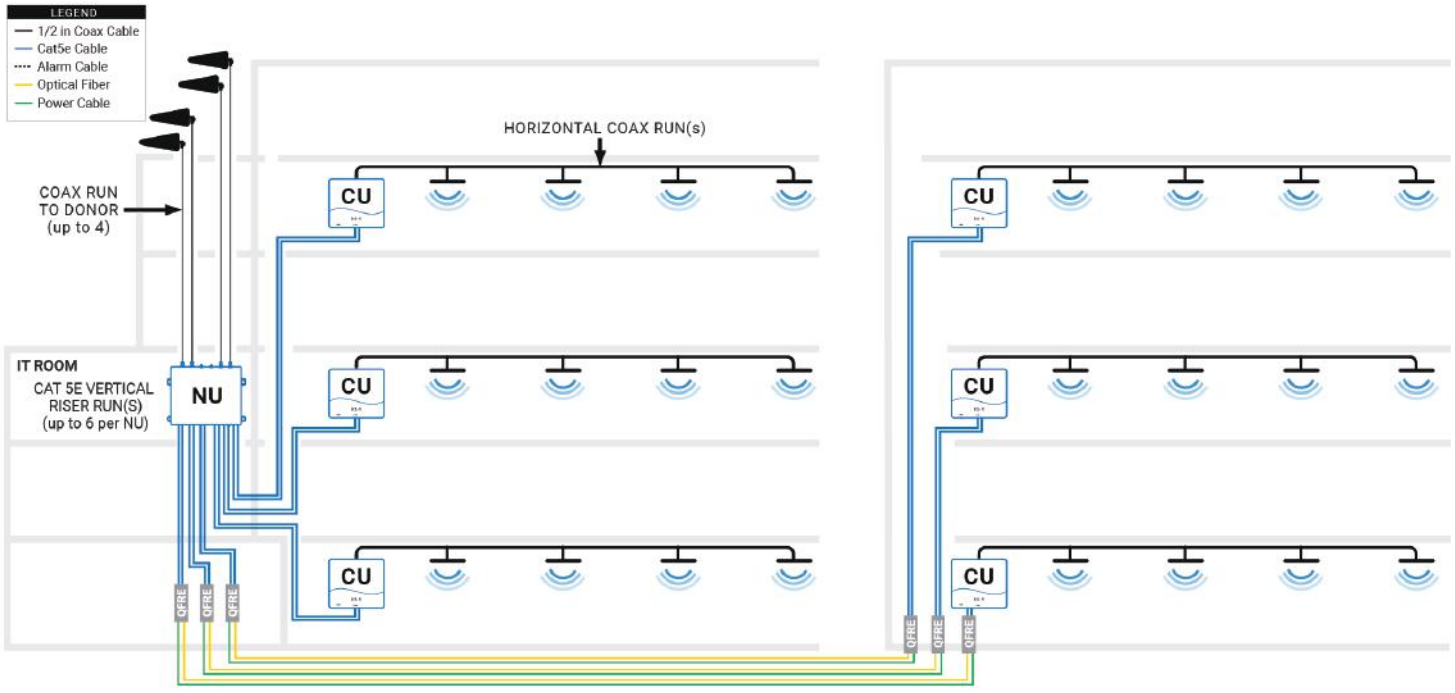
SUPERCELL® CONFIGURATION

A Supercell is comprised of a Cel-Fi QUATRA system connected to a small cell. Multiple Cel-Fi QUATRA systems can be connected to a single small cell, or multiple small cells, to form a Supercell. A Supercell with Cel-Fi 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 2.0 km (1.24 miles). This solution is ideal for high-rise structures, long distances, or multi-building facilities.

TWO-BUILDING DIAGRAM: 1 NU to 6 CUs with QUATRA Fiber Range Extenders



ASSESSORIES:

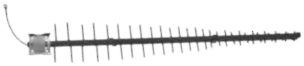
Cel-Fi QUATRA 4000 Range Extender

Cel-Fi QUATRA Fiber Range Extender

ANTENNAS:

Cel-Fi Blade Antenna *(Included)*

Cel-Fi LPDA-R High-Gain Directional Antenna



Cel-Fi Low-Profile Antenna

SOFTWARE:

Cel-Fi WAVE Management Portal

cel-fi.com/software

brief_quatra4000e_22-0112

NEXTIVITY

U.S. Headquarters: Nextivity Inc.
16550 West Bernardo Drive, Bldg. 5, Suite 550, San Diego, CA 92127, USA
Phone: +1 858.485.9442

cel-fi.com