

CEL-FI QUATRA EVO Fiber Hub

In-Building Cellular Coverage Expansion Solution

MODEL NUMBER: Q40-Z1FNU

The CEL-FI QUATRA EVO Fiber Hub is a coverage expansion solution for the CEL-FI QUATRA EVO active DAS hybrid. The QUATRA EVO Fiber Hub enables enterprises to expand the coverage area for one or two mobile network operator (MNO) signals by enabling a single CEL-FI QUATRA EVO Network Unit (NU) to support up to six additional Coverage Units (CU) for a total of up to 12. The QUATRA EVO Fiber Hub can be installed 1.24 miles (2.0 km) 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 expansion scales all-digital active DAS hybrid CEL-FI QUATRA EVO for enterprise environments
- Ideal for easily increasing CEL-FI QUATRA EVO coverage area with minimal infrastructure and costs
- Single- or Dual-Operator fiber expansion solution for 4G and 5G with 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

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|---------------------------------|--|
| Compatibility | CEL-FI QUATRA EVO Network Unit (Q42-Z1CNU) |
| Duplex Modes | FDD |
| # of Relay Bands | 4 max. |
| Independent Operators Supported | 2 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) or 656 ft (200 m) with CEL-FI QUATRA Range Extender) max. |
| Product Settings & SW Updates | WAVE Portal for Desktop |

Interface

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|------------------------------|---------------------|
| 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

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|------|---------|
| FCC | Part 15 |
| UL | Yes |
| ISED | Yes |

Reference Configuration

