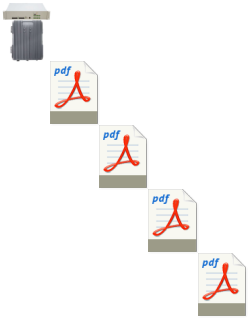
FR-MOU400/FR-ROU400-xx

TETRA Band Fiber Repeater



TETRA Band Fiber Optic Repeater

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On Order

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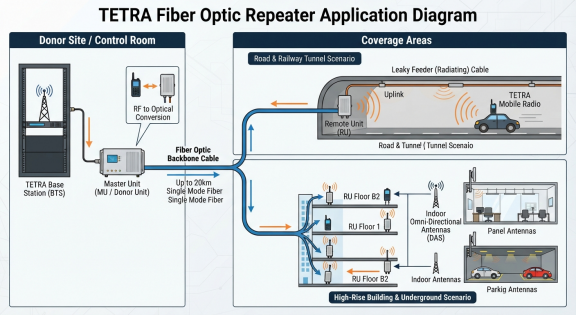
A rack-mounted Master Optical Unit (MOU) for the **380–380.5 MHz** uplink and **390–390.5 MHz** downlink bands. Direct coupling through a single combined Tx/Rx N-type port, with **8 LC/UPC** optical ports, RJ45 local control, and indoor installation.

A wall-mounted Remote Optical Unit (ROU) for the **380–380.5 MHz** uplink and **390–390.5 MHz** downlink bands, delivering **33~40 dBm** RF output power through a single combined Tx/Rx N-type port, with RJ45 local control for indoor and outdoor installation.


TETRA Fiber Optic Repeater Application Diagram
Donor Site / Control Room
Coverage Areas
Road & Railway Tunnel Scenario
Leaky Feeder (Radiating) Cable
Uplink
TETRA
Mobile Radio
Remote Unit
(RU)
Road & Tunnel (Tunnel Scenario
RF to Optical
Conversion
Fiber Optic
Backbone Cable
TETRA Base
Station (BTS)
Master Unit
(MU / Donor Unit)
Up to 20km
Single Mode Fiber
Single Mode Fiber
RU Floor B2
RU Floor 1
RU Floor B2
Indoor
Omni-Directional
Antennas
(OAS)
Panel Antennas
Indoor Antennas
Parkig Antennas
High-Rise Building & Underground Scenario