MDU Solutions

Fiber uplink / Compatible switch / Ethernet over coax to each apartment



ETHERNET OVER COAX SFP

PROVIDER FIBER

8 EoC SFPs / 8 coax home runs

COMPATIBLE SFP SWITCH

U1

E1 E2 E3 E4 E5 E6 E7 E8

APT 01
Endpoint + router

APT 02
Endpoint + router

APT 03
Endpoint + router

APT 04
Endpoint + router

APT 05
Endpoint + router

APT 06
Endpoint + router

APT 07
Endpoint + router

APT 08
Endpoint + router

FOUR FLOORS / TWO APARTMENTS EACH

E1 • APARTMENT 01 • dedicated coax path

Point-to-point illustration. A qualified design must confirm equipment, loss, coexistence and tenant isolation.

Switch detail

One compatible host. Eight coax SFP connections. One fiber / Ethernet uplink.

ILLUSTRATIVE FRONT PANEL

UPLINK

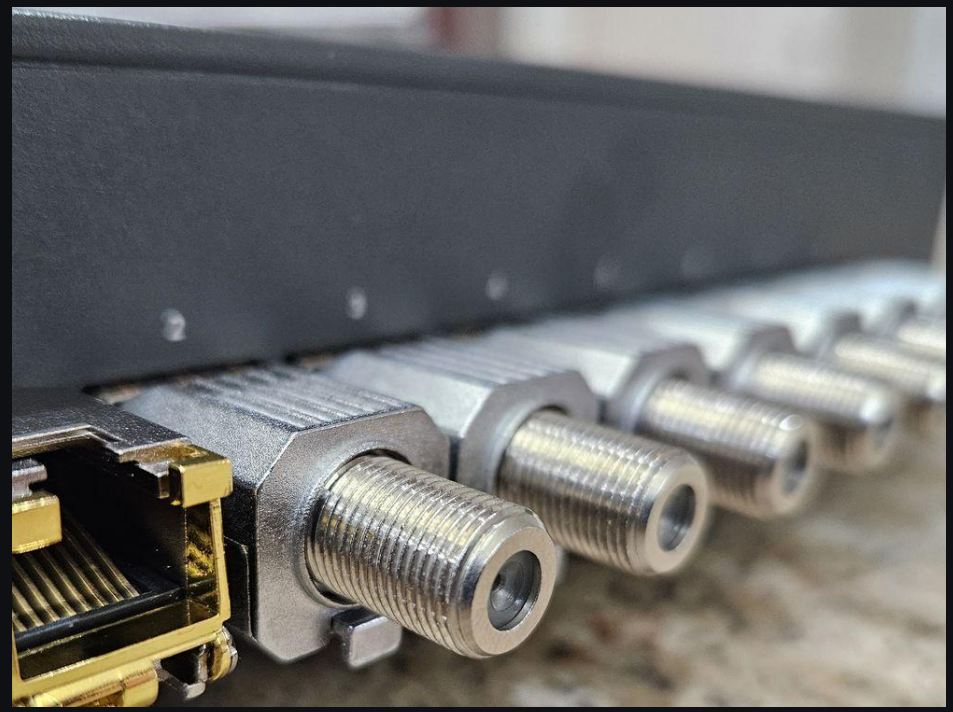
U1

E1 E2 E3 E4

E5 E6 E7 E8

U1 Provider handoff

E1–E8 Coax modules and F-type connectors



SUPPLIED SWITCH / COAX MODULE CLOSE-UP

Confirm port speed, module power, thermal limits and host support. Port arrangement above is conceptual.

The apartment connection

Existing coax reaches a matching endpoint. Ethernet connects the resident router.



ETHERNET OVER COAX SFP

COAX

ETHERNET

Existing coax
Qualified home run

EoC endpoint
Compatible device

Router / Wi-Fi
Resident network

A compatible endpoint and router may be combined in one device.

Wired access and in-unit Wi-Fi are tested separately.

Conceptual connection. Endpoint selection, power and service configuration require validation.

Eight apartments. Existing coax.

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FOUR FLOORS / TWO APARTMENTS EACH

Retain the route. Upgrade the connection.

Point-to-point illustration. A qualified design must confirm equipment, loss, coexistence and tenant isolation.