MIKROTIK

FTC21-ups

Smart weatherproof (IP67) Fiber-to-Copper conversion with built-in power resilience – because you deserve some stability in your life!

Supports 802.3af/at and Passive PoE-out,
great for CCTV cameras!



IP67 weatherproof enclosure

2x Gigabit Ethernet

2.5G SFP

Fiber is fast. Fiber is reliable.
Until the power starts misbehaving.

At the network edge, it is rarely the fiber that fails. It is unstable power, brownouts, short outages, and voltage drops that trigger renegotiations, device reboots, and unnecessary support tickets. The FTC21-ups is built to save you some major headaches when dealing with unreliable power sources.



Check out our YouTube and TikTube videos for this product!

Not just a converter

The FTC21 is not just a simple media converter. It runs a full version of SwOS Lite, offering advanced management features:

- Interface monitoring and management
- VLAN support
- SNMP reporting
- Basic traffic shaping
- Advanced packet filtering with Access Control Lists - allowing for packet filtering, accounting, and VLAN tagging based on Layer 2, 3, and 4 protocol header conditions.

Built-in batteries

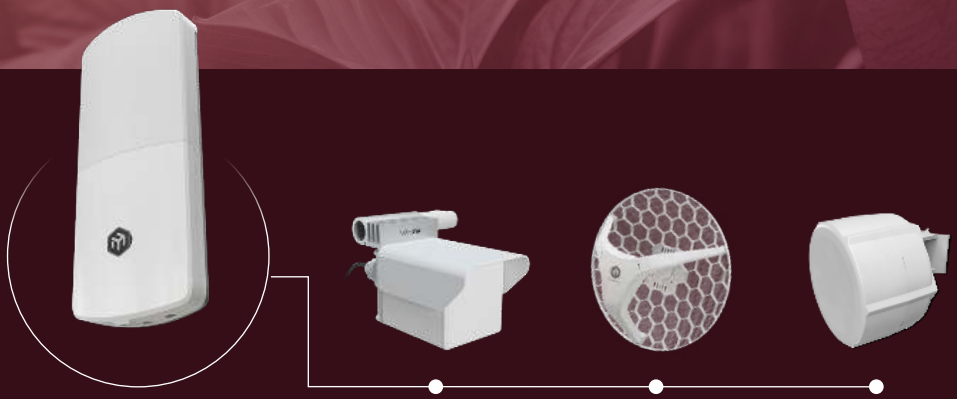
What makes the FTC21-ups different is what happens when power becomes unstable. Inside, there is a pair of Li-Ion NCA 18650 batteries. Not for running your network all night, but for surviving short outages, brownouts, and those moments when everything almost crashes. **It keeps the link up when the power is flickering, preventing unnecessary device renegotiation.**

The battery is intelligently managed:

- Inactive during shipping;
- Activated on first power-up;
- Can be put into ship mode remotely via SwOS when necessary.

Real-world battery runtime examples (20 °C)

Estimated from measured battery behavior. Actual runtime depends on load and temperature.



FTC21-ups
standalone, interface & traffic **~6 h**

Cube 60Pro
~13 W
45–55 min

LHG 5
~5–7 W
1–2 h

SXT LTE7 kit
~3 W
~3.5 h

Flexible powering

The FTC21-ups gives you:

- 2 DC inputs – PoE-in and DC jack
- PoE-in (802.3af/at), 48–57 V
- DC jack input 24–57 V

On **Ether2**, you also get **Passive PoE-out with a selectable voltage of 24 or 48 V via the hardware switch**. You will see clear LED indicators for power, PoE-in, Ethernet activity, and SFP activity, so you always know what is happening.

FTC21-ups is all about predictable behavior at the network edge, when power is the least predictable part of the system. You probably already have enough stress in your life. Let the FTC21-ups take some of it away!

Specifications

Product code	FTC21-ups
Number of 1G Ethernet ports	2
Number of 1G SFP ports	1 (2.5G supported)
Switch chip model	88E6341
Operating system	SwOS
IP rating	IP67
Dimensions	268 x 113 x 44 mm
Operating temparature	-40°C to +70°C
Battery discharge temperature	-20°C to +65°C

Powering

Number of DC inputs	2 (PoE-In, DC jack)
PoE-In input Voltage	48-57 V
DC jack input Voltage	24-57 V
Power adapter nominal voltage	48 V
Power adapter nominal current	0.95 A
Battery	2x Li-Ion NCA, 18650 (3.6V 2500mAh)
PoE-In	802.3af/at
PoE-Out	Passive PoE 24 or 48 V, configured via a hardware switch (Ether2)
Low voltage PoE-Out current limit	0.625 A
High voltage PoE-Out current limit	0.315 A
Max power consumption (without attachments)	3 W
Max power consumption	28 W

Included parts



48 V 0.95 A power adapter



Gigabit PoE injector



Hose clamp

K-95 Fastening set