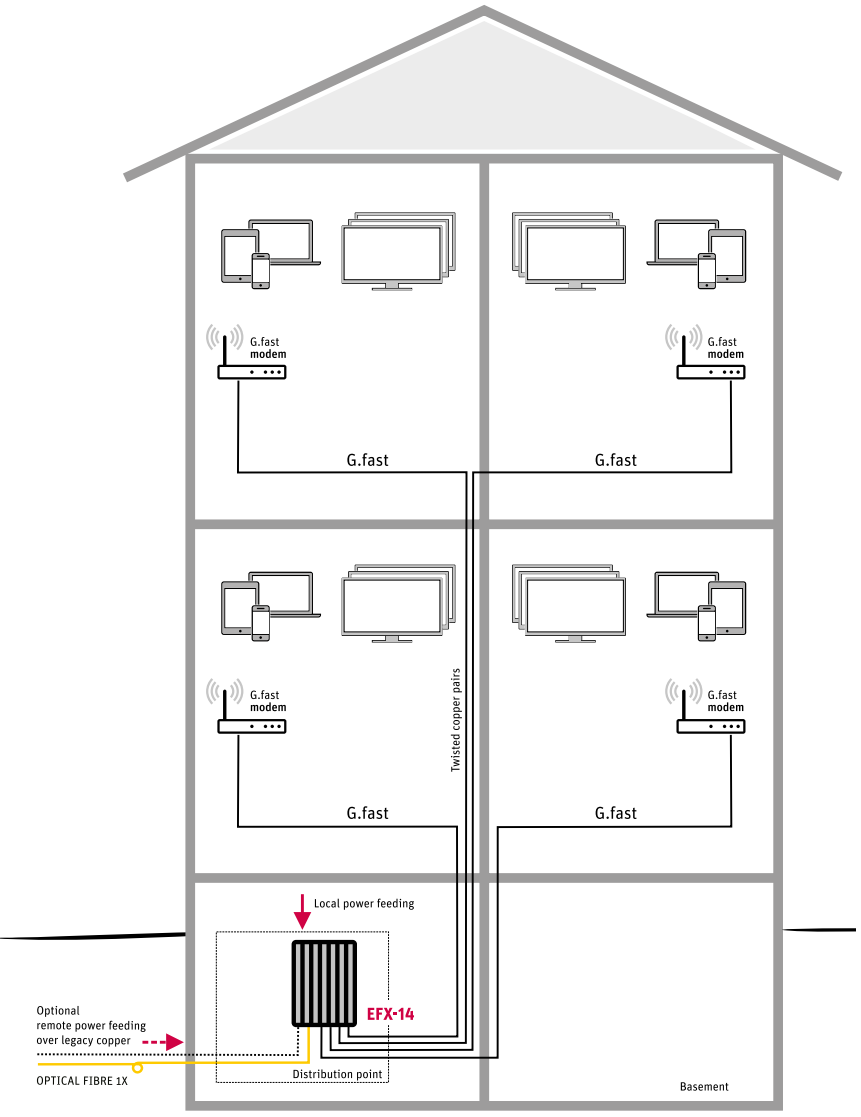
EFX-xx

G.fast DPU product family for Easy FTTB and FTTdp Deployment over Existing In-House Telephone Cable Installations



Aggregate data rates up to 1 Gbps!

The **EFX-xx** system is a Plug & Play solution, distributing ultra-speed data inside single and multi-dwelling houses, based on latest G.fast technology.

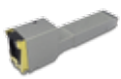
In many cases, operators have installed 1G+ Ethernet optical fiber pipes in front of the house but still can't deliver Premium Triple Play services to customers because of in-house fiber installation problems. In multi-dwelling houses, residents often can't agree on the in-house installation works and related expenses, which in turn entirely blocks all deployment.

The **EFX-xx** DPU product family overcomes fiber installation issues by allowing the usage of existing in-house telephone cables for data transmission of up to 1 Gbps and reverse powering of the equipment at the same time.

EFX-11
Single port DPU

EFX-44
Four times Single port DPU

EFX-14
Four port DPU



EFS-01
G.Fast SFP CPE

EFM-01
G.Fast Bridge CPE

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EFX-14

G.fast DPU product family for Easy FTTB and FTTdp Deployment over Existing In-House Telephone Cable Installations

EFX-14 is a very compact four port DPU (ONU) with full MSAN functionality. One optical fiber is used to feed four (4) subscribers with G.fast connection. Each G.fast connection can deliver up to **1 Gbps aggregate data speed!**

Installation of **EFX-14** in the **„hallway scenario“**.
Optical fiber is brought to each hallway in multi-dwell-ing house. From this point on and inside the customer‘s apartment the data is transmitted over existing twisted copper pair (telephone cable).

- Installation without entering the customer premises!
- Four (4) subscribers sharing one fiber: Economizing fiber, equipment and installation costs
- Almost no crosstalk issues, vectoring is available though
- Local powering
- Optional remote powering from CO via dark copper

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Excellent SME

EFX-11

Single port G.fast DPU for Easy FTTB and FTTdp Deployment over Existing In-House Telephone Cable Installations

- Installation without entering the customer premises!
- Each customer powers his DPU from his power outlet via RPM-01 splitter – Individual reverse powering!
- Really fair powering!
- ABSOLUTELLY NO POWERING ISSUES
- No crosstalk issues, no vectoring needed
- Step-less Pay-As-You-Grow scenario

The **EFX-11** is a single Fiber-extender, based on G.fast technology, allowing to address FTTB/FTTdp deployment for each customer individually. There is no media, equipment or even power sharing. Each subscriber reverse-powers his own equipment over the same copper pair that is used for high speed data. Such clean situation enables easiest and fastest deployment of Premium Triple Play Services.

Installation of **EFX-11** in the **„front door scenario“**.
Optical fiber is brought through a hallway and all the way to the front door of customer‘s apartment. Inside of the apartment the data is transmitted over existing twisted copper pair which may be used also for reverse powering of the **EFX-11** at the same time. All crosstalk issues are avoided and no vectoring is needed!

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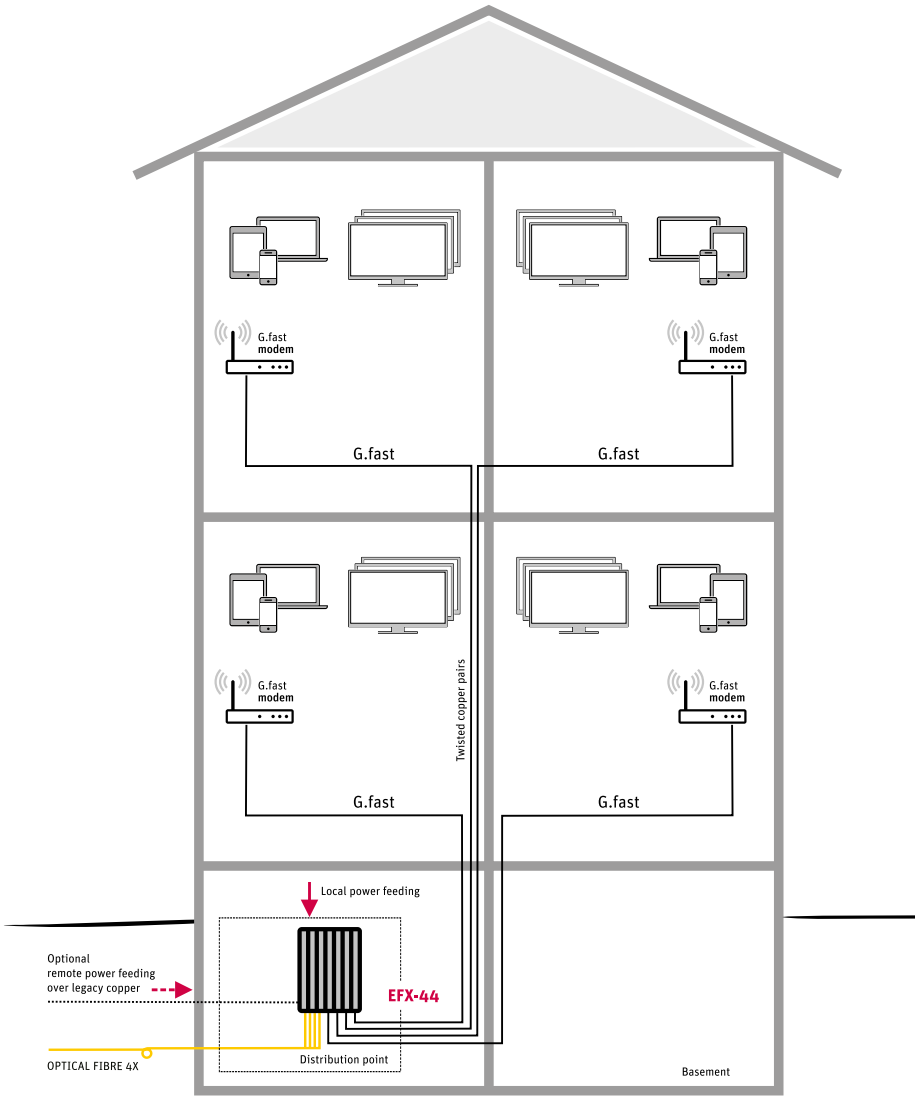
EFX-44

Four times Single port G.fast DPU

for Easy FTTB and FTTdp Deployment over Existing In-House Telephone Cable Installations



The **EFX-44** is a quadruple Fiber-extender, based on G.fast technology, allowing to address FTTB/FTTdp deployment for each customer individually on its way to final FTTH scenario. There is no media sharing. The system allows reverse powering for easier installations. Vectoring is available to eliminate even the minimal crosstalk that might occur.

Installation of **EFX-44** in the **„FTTB and FTTdp scenario“**.
Optical fiber is brought to the distribution point or to the Basement of multi-dwelling house. Existing twisted copper pairs are used afterwards. Remote, local or reverse powering is possible.

- The most economical G.fast DPU solution without fiber sharing
- Installation without entering the customer premises!
- FTTH ready topology
- Vectoring available
- 4 port step Pay-As-You-Grow scenario

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