# Feeding into a headend system

## AXING Application Note

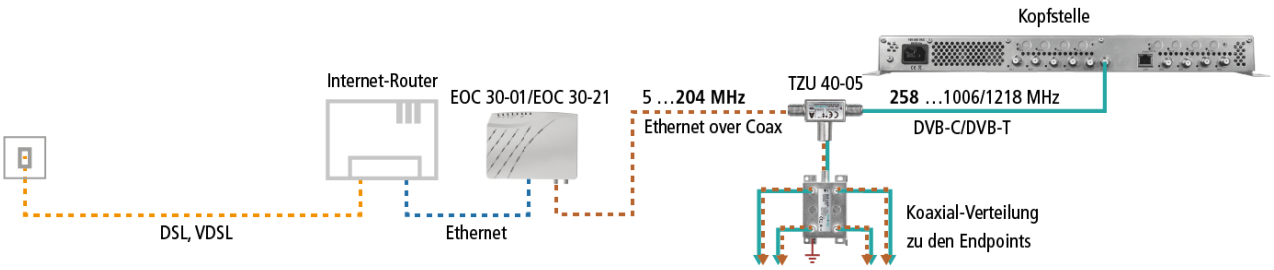
To feed in the Ethernet-over-Coax signals, a TZU 40-05 EOC inserter is required.

- The G.hn connector of the EOC master is connected to input IN2 (EOC) using a coaxial cable with F connectors.
- The output of the headend is connected to input IN1.
- The COM output is connected to the house distribution.

The TZU 40-05 EOC inserter merges the Ethernet-over-Coax signal with the DVB-C or DVB-T signal of the headend. Branch IN 2 <-> COM is broadband (5...1218 MHz) and passes the EOC signals in the range of 5...204 MHz. In the IN1 <-> COM branch there is a high-pass filter (258...1218 MHz).
Important: The head-end must be configured so that the output channels only start ≥258 MHz.

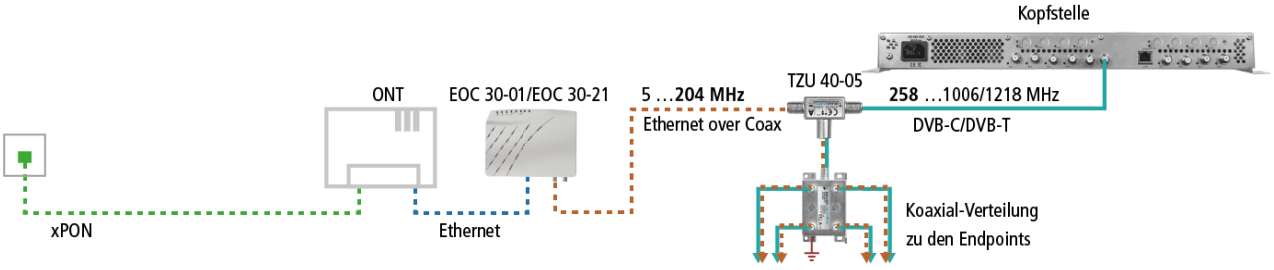
## Internet over DSL or VDSL

The EOC master (EOC 30-01 or EOC 30-21) is connected to the Internet router via an Ethernet cable. The connection to the Internet is established with the help of the Internet router via DSL or VDSL.

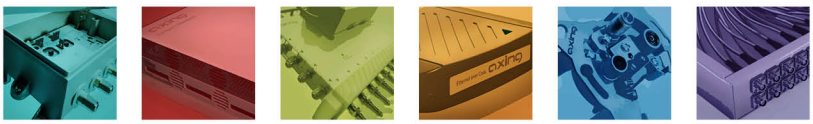



## Internet over xPON

The EOC master (EOC 30-01 or EOC 30-21) is connected to the ONT (Optical Network Termination) via an Ethernet cable. The connection to the Internet is established via optical fibre with the help of the ONT.



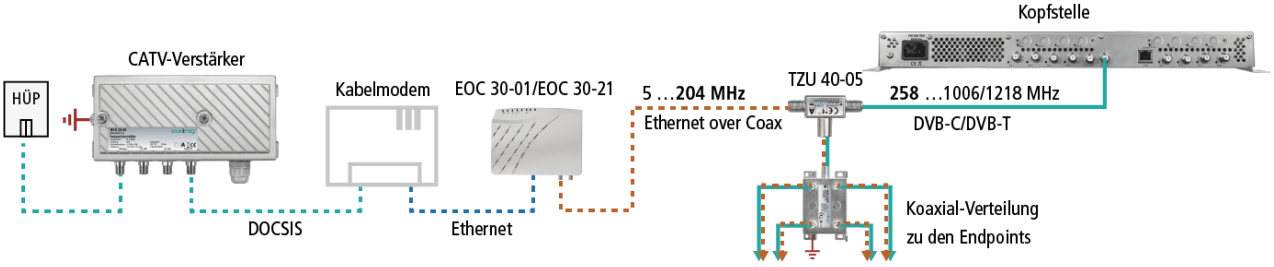

## Internet over DOCSIS



AXING AG
Gewerbehaus Moskau
Telefon +41 52 - 742 83 00
Telefax +41 52 - 742 83 19
CH-8262 Ramsen
info@axing.com
www.axing.com

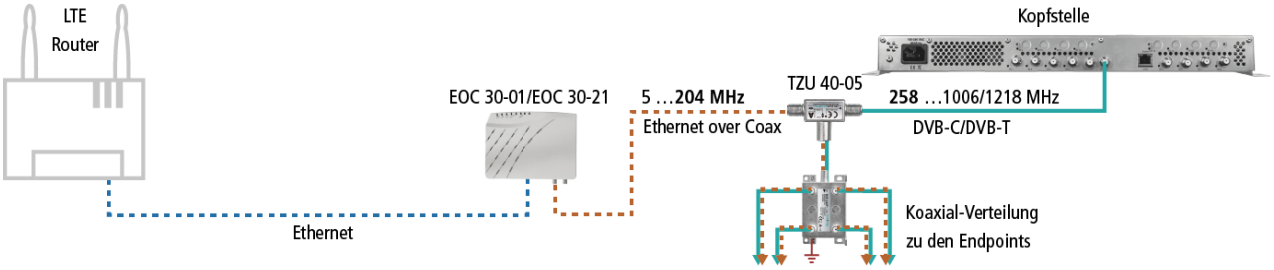
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The EOC master (EOC 30-01 or EOC 30-21) is connected to the cable modem via an Ethernet cable. The connection to the Internet is established using the cable modem.

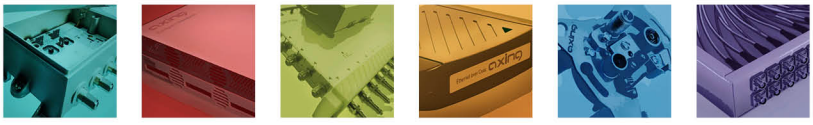



## Internet über LTE

The EOC master (EOC 30-01 or EOC 30-21) is connected to the LTE router via an Ethernet cable. The connection to the Internet is established via mobile radio with the help of the LTE router.




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AXING AG
Gewerbehaus Moskau
Telefon +41 52 - 742 83 00
Telefax +41 52 - 742 83 19
CH-8262 Ramsen
info@axing.com
www.axing.com

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