Feeding into a headend system

AXING Application Note

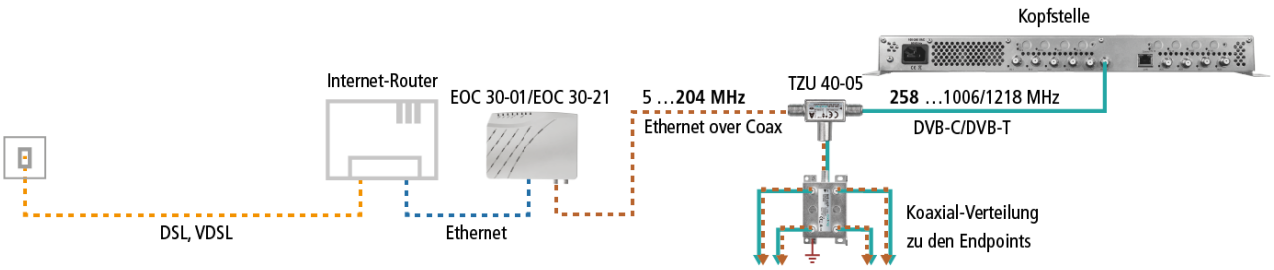
To feed in the Ethernet-over-Coax signals, a TZU 40-05 EOC inserter is required.

- 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.

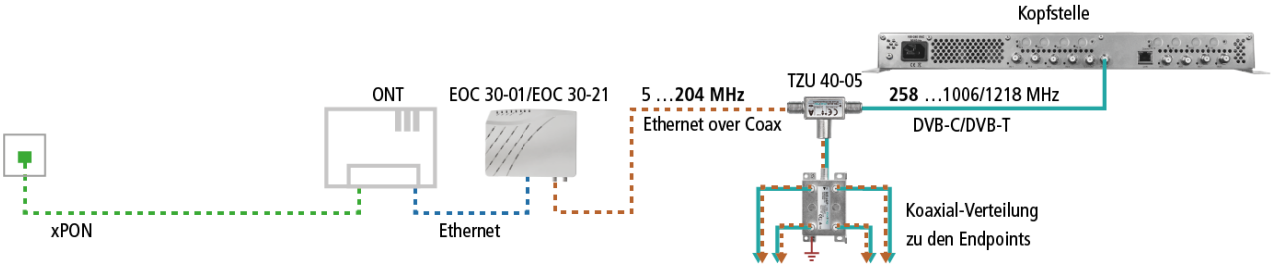
Internet over DSL or VDSL

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.

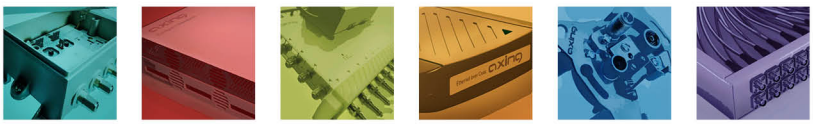


Internet over xPON

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



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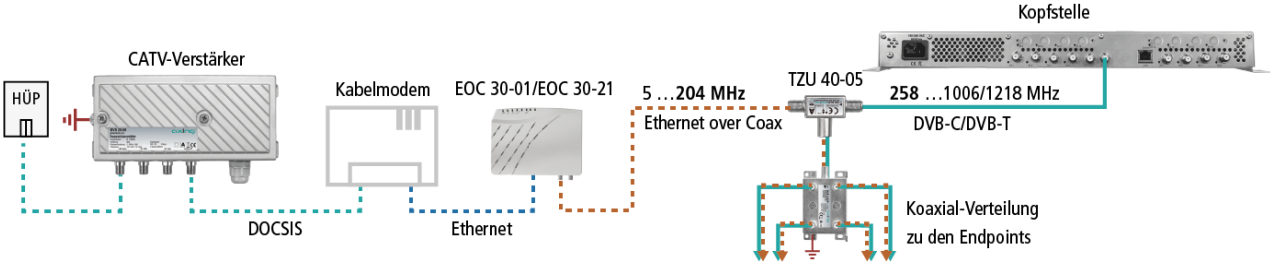
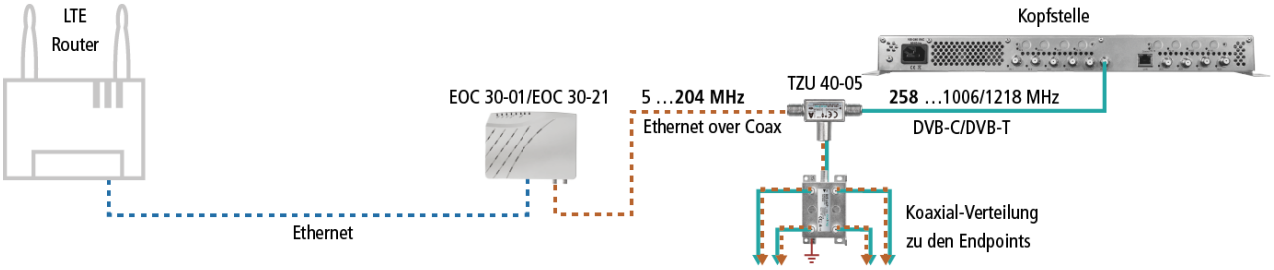
The EOC master (EOC 30-01 or EOC 30-21) is connected to the cable modem via an Ethernet cable. The connection to the Internet is established using the cable modem.



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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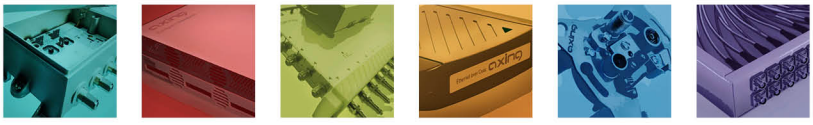

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