SMARTSolutions

TV | Internet | Multimedia

- Ethernet distribution
- HDMI distribution
- Via coaxial cable or LAN
Security / Privacy

- The distribution over the shielded coaxial cables of the house, not on the open power grid.
- Security-oriented administration with signal encryption and access protection.
- Notebooks, tablets and smartphones in their own “WiFi parcel”.

Internet over existing coaxial lines

In many buildings the structural conditions for fast Internet are not given! AXING provides the solution with Ethernet over Coax:
- Internet in every room where you can watch TV.
- IP signals are fed in at a central location and are available at every antenna socket.

Advantages for system integrators:
- Enough bandwidth for a large number of participants
- No new wiring necessary
- Reliable and proven technologies
- Support in planning, project assistance and commissioning

Easy duplication of HDMI signals

To distribute HDMI signals, HDMI over Ethernet is the ideal solution for sports centers, gas stations and supermarkets:
- The same content on up to 127 screens
- Multimedia content out of the cloud
- IR remote control from any receiver
Ethernet over Coax
Peer-to-Peer

Features
- Feeding in IP signals into SAT, CATV or headend systems
- Up to 16 devices
- 720 Mbps gross data rate
- 2 x RJ 45 Connectors
- WiFi (EoC 2-11)
- Web interface for WiFi configuration
- 128 bit-AES encryption
- G.hn standard

EoC 1-11 | Ethernet over Coax Modem
EoC 2-11 | Ethernet over Coax Modem WiFi

Example

Ethernet over Coax – as easy as a switch!

The EoC devices EoC 1-11 and 2-11 build an Ethernet-over-coax network over the coaxial infrastructure by using the G.hn standard. This EoC network acts like a large Ethernet switch.

Two Ethernet-capable devices (PCs, notebooks, servers, printers, smart TVs, etc.) can be connected to any EoC device.

Furthermore, the EoC 2-11 is equipped with WiFi.

Ethernet over Coax use the coaxial infrastructure to distribute IP signals.
Ethernet over Coax
Master / Endpoint (EP)

Features Master
✓ Feeding in IP signals into existing coax cable networks
✓ G.hn standard
✓ 720 Mbps gross data rate
✓ One Master up to 31 Endpoints
✓ Web interface to configure the complete network
✓ 2 x RJ 45 Connectors
✓ SFP connector for 100/1000 Mbps SFP transceiver

Features Endpoint
✓ Connects WiFi and Ethernet devices over established coaxial cable to the EoC 10-01 Master
✓ 720 Mbps gross data rate
✓ WiFi for Tablet, Smartphone, Notebook etc.
✓ 128 bit-AES Encryption
✓ 2 x RJ 45 Connectors

Applications
✓ Suitable for large-scale plants
✓ Optimized settings in the web interface
✓ Security through centralized configuration
HDMI over Ethernet
Transmitter and Receiver

Features

- Distribution of HDMI signals over Ethernet
- Max. 127 receivers in one system
- Cable length up to 120 m
- Cascading over three levels
- Requirement: Gigabit switches, isolated over VLANs
- Parallel for Internet and data exchange
- Multimedia source can be operated via infrared remote control over the network

Applications

- In fitness centers
- In shopping centers
- In seminar rooms or class rooms
- At exhibition booths
- In show rooms
- In public buildings

Example

Distribution of multimedia content over Ethernet
HDMI over Ethernet Cloud Media Player

Example

Features

✓ Streaming to up to 127 receivers
✓ Video playback or slideshow
✓ Direct cloud or FTP server connection
✓ Automated download of the media data
✓ Remote control via web browser

Applications

✓ In fitness centers
✓ In shopping centers
✓ In seminar rooms or class rooms
✓ At exhibition bootes
✓ In show rooms
✓ In public buildings

Retrieving multimedia content from the cloud
Why AXING in particular?

We Swiss don’t waste words. But what we do, we do thoroughly. Which is why AXING products are always state of the art. The compact design and easy installation are equally impressive.

What is more, with AXING you have a partner at your side offering you all the services you need as a one-stop provider – from planning via preparation through to delivery and operation. Contact us now; we would be pleased to advise you on site and make you a detailed offer.

Our AXING commitment:

- Very easy handling and installation of all AXING products
- Short-term and reliable delivery capability
- Consistently high quality
- Highly modern technology – state of the art
- Great flexibility due to wide variety of products
- Optimum support via competent planning and installation service
- Technical service / after sales