Distributed CCAP
DOCSIS 3.1 Outdoor Node
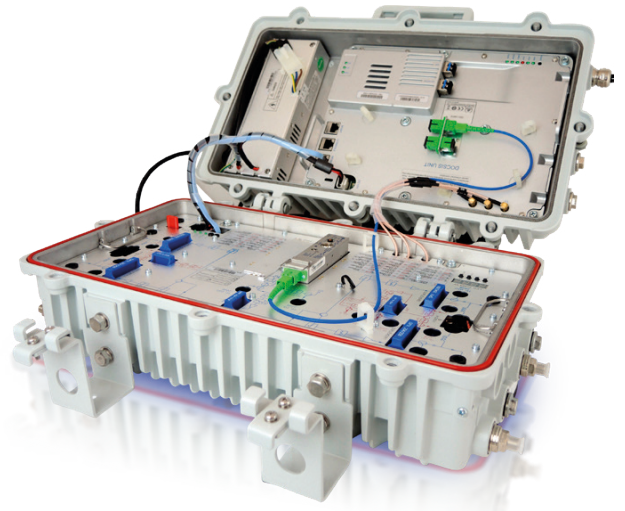
dev

Part of the **axing** Group

Supports DOCSIS 3.1, 3.0, 2.0, Euro-, C-DOCSIS

For Distributed Access Architecture (DAA)

Up to 1,000 Cable Modems per Node

10 Gbps+ Throughput per Node

BOOST YOUR HFC / FTTX NETWORK WITH DISTRIBUTED CCAP TECHNOLOGY

General Information

The Remote CCAP Node is a high-performance and cost-effective cable network edge device, which is designed based on CableLabs DOCSIS 3.1 standards and compatible with DOCSIS 3.0, 2.0, C-DOCSIS, and Euro-DOCSIS. It can provide a maximum throughput of more than 10 Gbps per fiber node. This helps cable network operators improve their competitiveness towards telecom operators with higher bandwidth and lower costs.

It can be operated and managed remotely and is suited for all applications including internet, voice, VOD and CATV. With its modular structure it is easy to change parts of the Remote CCAP Node.

Within Distributed CCAP architectures, PHY and MAC layer are moved into the node. Thus, only the monitoring and control, as well as the technology for optical digital transmission, remain in the headend. Therefore headend CMTS becomes redundant as its features are already integrated within the remote access node. The use of Distributed CCAP technology brings great savings in costs, space requirements and energy consumption.

Features and Benefits

▰ Remote Operation and Management

▰ Up to 6* OFDM and 2*2* OFDMA

▰ DOCSIS, PacketCable/PCMM EQAM and Optical Receiver

▰ For Internet, Voice, VOD and CATV Application

▰ Modular Architecture

▰ Various Installation Methods: Field, Corridor, Wall-Mounted or Hanging-Cable

▰ Certified by Major MSOs

Application in DAA Networks

The Distributed CCAP Node can replace existing optical nodes, supports all major DOCSIS standards and also works in concert with Remote PHY devices or traditional CCAPs. Between node and headend digital optical networks can be used. The proportion of the analog transmission path is minimized and thus the interference of the signals. The higher signal quality enables higher QAM modulations in the networks which in the end provide significantly higher transmission speeds for the end customer.
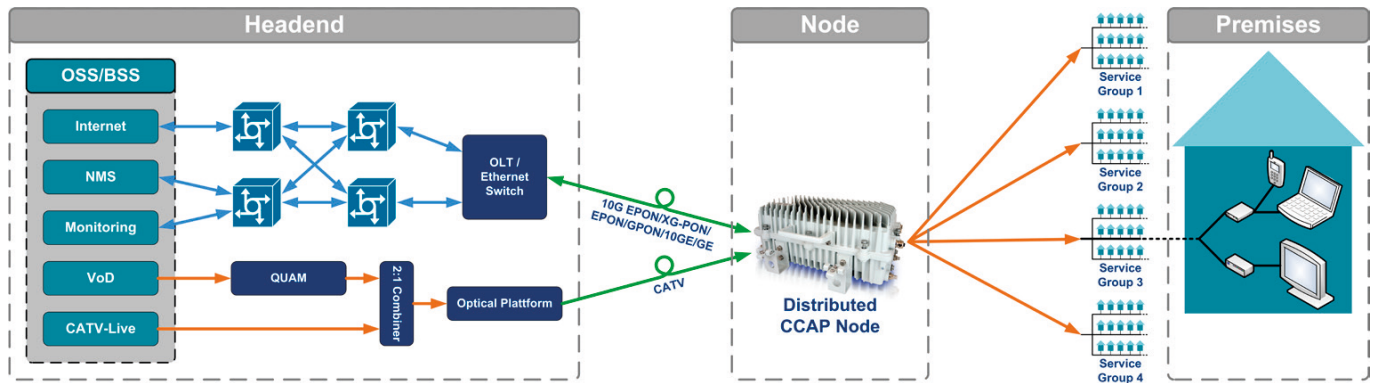
Stronger, Smaller, Smarter

DEV's solutions for Distributed Access Architecture Networks include several products which differentiate by supported standards, environmental conditions, size and price. The Distributed CCAP product line includes:

- The **Distributed CCAP DOCSIS 3.1 Outdoor Node,** DEV 6871
- The **Distributed CCAP DOCSIS 3.1 Indoor Node,** DEV 6811, in a 19", 1U rack mountable device
- The **Distributed CCAP DOCSIS 3.0 Outdoor Mini Node,** DEV 6860, in a very compact chassis
- The **Distributed CCAP DOCSIS 3.0 Outdoor Node,** DEV 6850

Reliable Technology, Trusted Expertise

DEV Systemtechnik, part of the AXING Group, develops, manufactures and distributes a complete range of products and systems for optical and electrical transmission of Radio Frequency (RF) signals via coaxial cable or fiber. For over 20 years DEV has designed, engineered, and manufactured RF transmission equipment for satellite, broadcast, and cable applications.

Ready to work with us?

We are always excited about helping our customers meet new challenges – and we believe you will enjoy working with us. Whatever your requirement, discover the DEV solution.

Discover Superior RF Solutions

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