

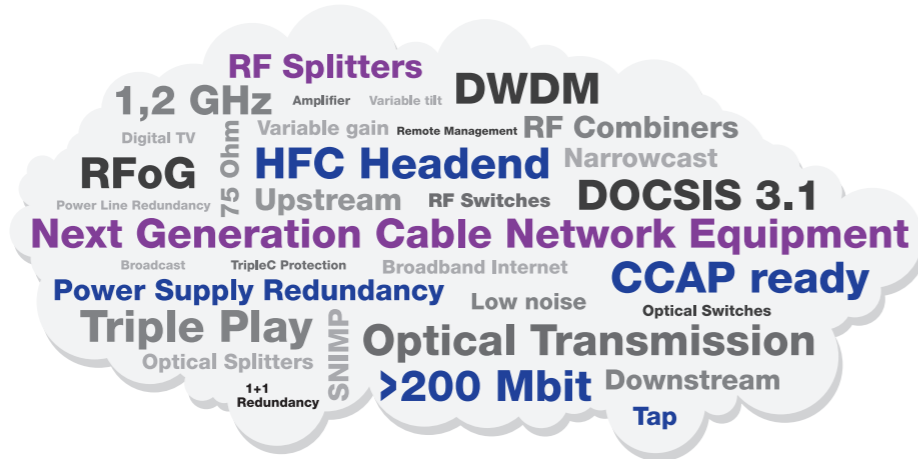
YOUR ONE-STOP SOURCE FOR RF TRANSMISSION IN HFC HEADENDS

Reliable Technology, Trusted Expertise

DEV Systemtechnik, a Quintech Company, develops and produces a complete range of next generation high performance products and systems, for the optical and electrical transmission of Radio Frequency (RF) signals in HFC cable networks. For over 25 years we have designed, engineered and manufactured RF transmission equipment for satellite, broadcast and cable applications. All products are built to meet the highest standards of system availability, reliability and controllability.

What We Do

Drawing from a large knowledge base and over 25 years of experience installing and upgrading cable networks, we support tomorrow's infrastructure requirements with product solutions for Up and Downstream transmission. We understand our customer's and network operator's challenges, as well as their future needs to support the upgrade of HFC Headends. This makes our solutions the right solutions for next generation HFC Networks.



Ready?

We're always excited to meet the challenges our customers face with the ever expanding demands driven by the high bandwidth requirements of tomorrow's OTT service promises. For a complete demonstration and solution support, contact us today.



Quintech Electronics & Communications Inc.

250 Airport Road
Indiana, PA 15701
USA

Phone: +1 724-349-1412
Fax: +1 724-349-1421
www.quintechelectronics.com
info@quintechelectronics.com



DEV Systemtechnik GmbH & Co. KG

Grüner Weg 4A
D-61169 Friedberg
Germany

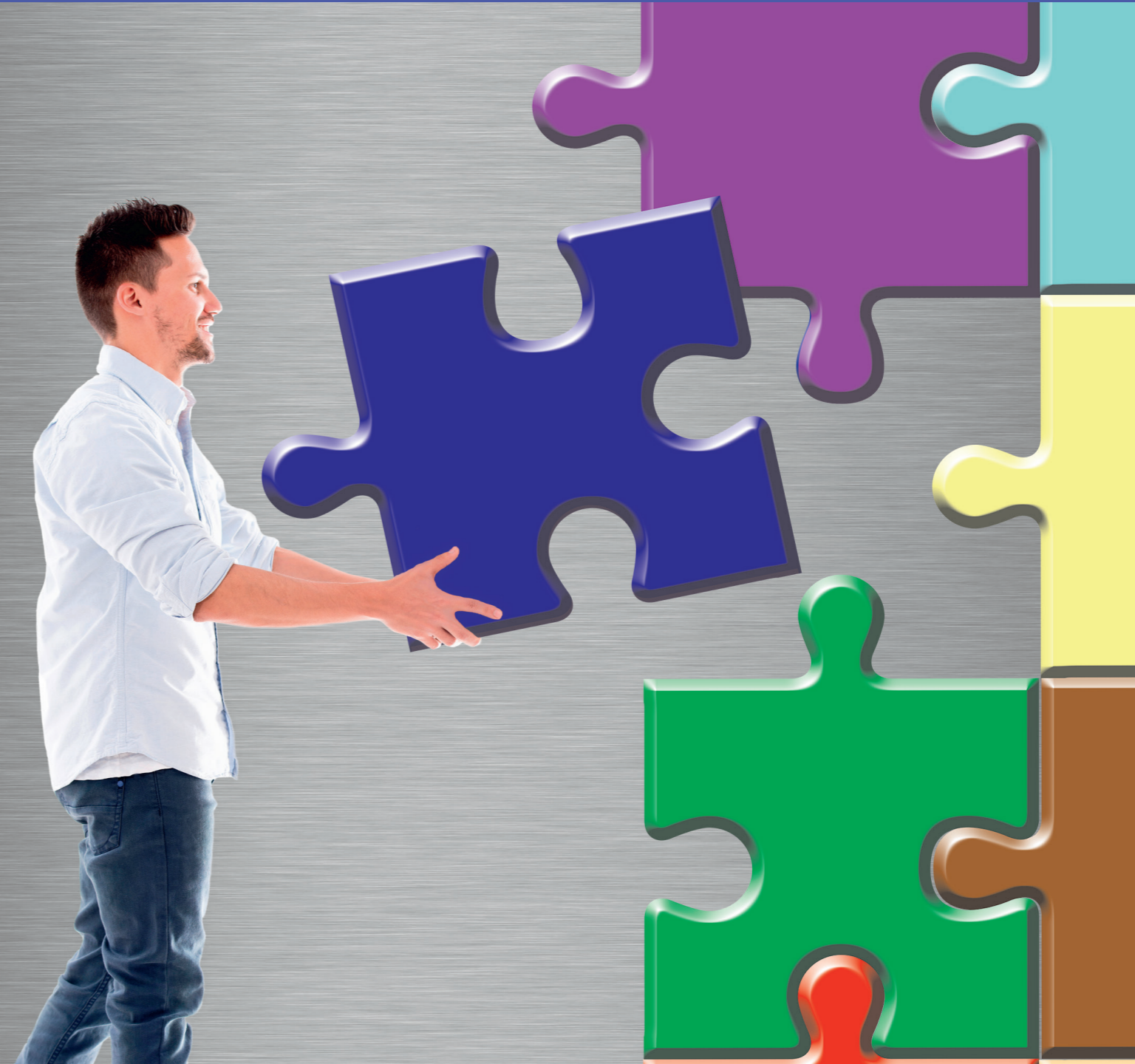
Phone: +49(0) 60 31/6975 100
Fax: +49(0) 60 31/6975 114
www.dev-systemtechnik.com
info@dev-systemtechnik.com

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MODULO



YOUR SMART HFC HEADEND TOOLKIT



More Universal, Smart and Easy – USE it.

UNIVERSAL, SMART AND EASY

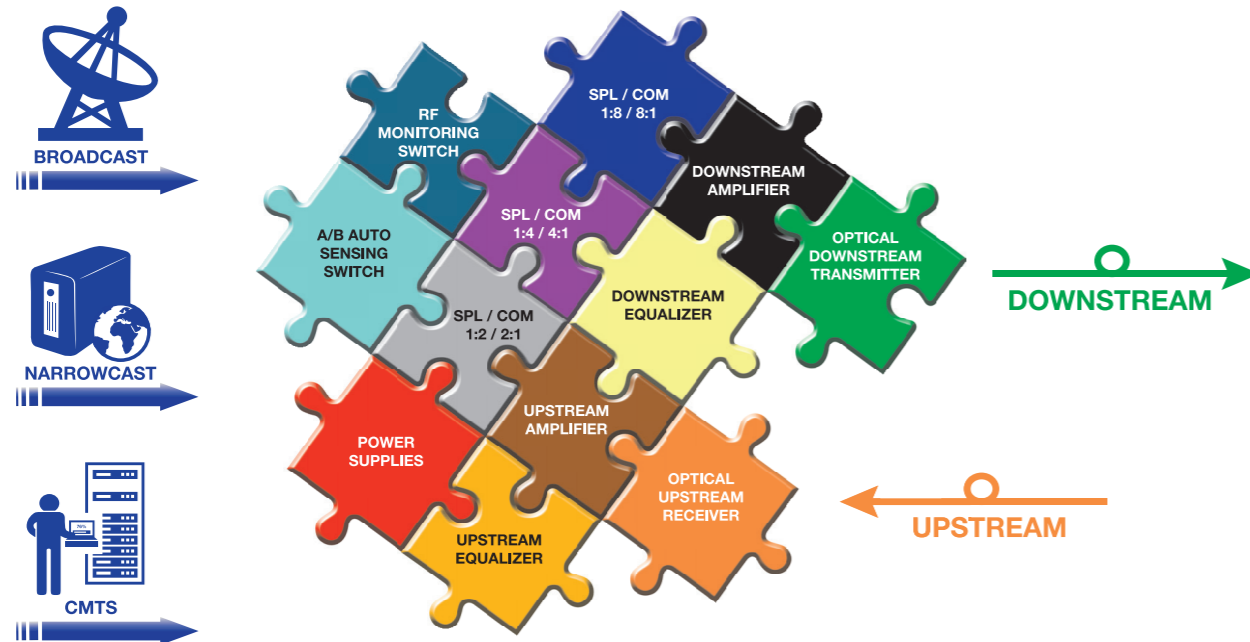
MODULO

Cable Operators are faced with the critical challenge of significantly increasing the efficiency and capacity of their existing HFC (Hybrid Fiber Coax) networks in order to support the growing bandwidth demands for broadband services. Existing HFC network infrastructure must be upgraded. Complete and extensive overbuilds are not a viable option. Existing HFC network capacity can be optimized in order to support the economical expansion of broadband services, and it must be done seamlessly and without service disruption. This requires skilled planning and high quality building blocks and components, which reduce complexity, in order to meet the growing demand for bandwidth optimization related to the roll out of the DOCSIS 3.1 standard. DEV's MODULO meets this challenge.

For Your HFC Network: Passive and Active Splitters/Combiners, Amplifiers, Redundancy Switches, Optical Receivers and Transmitters as well as other superior quality RF modules transmit RF signals either electrically or over fiber.



The New Solution for HFC Headends



Benefits

The following benefits differentiate MODULO from conventional solutions:

- Universal: A single module, either a Splitter with monitoring port, or a Combiner with monitoring port, provides a 50% reduction in RU footprint
- Smart: Designed and engineered to meet customer needs and network configuration challenges. The chassis are designed for integration of equalizers, amplifiers (gain and slope), redundancy switches, optical receivers and transmitters and RF modules for E/O transmission. Integration into a Monitoring & Control System allows for real-time observation of RF signals
- Easy: All modules have been designed with operator functionality in mind, regardless of customer network variations and requirements, all in a single MODULO chassis

These benefits make purchasing, storage and application of MODULO intelligent and simple for Customers and Sales Partners alike – Universal, Smart and Easy - USE it.

MINIMUM SIZE, MAXIMUM VERSATILITY

Product Information

The MODULO Chassis is a 5 RU frame suitable for all active and passive modules and can be equipped with a controller to provide remote control and SNMP support for active products.



Your Choice of Modules

Superior quality RF transmission modules are available for application in HFC Networks to transmit RF signals both electronically or over fiber optic cables.

	Splitter/Combiner 1:8/8:1		Upstream Equalizer		Switches A/B Autosensing
	Splitter/Combiner 1:4/4:1		Downstream Amplifier		Optical Downstream Transmitter
	Splitter/Combiner 1:2/2:1		Upstream Amplifier		Optical Upstream Receiver
	Downstream Equalizer		Power Supplies		RF Monitoring Switch

What Our Customers Say

For more than ten years DEV Systemtechnik supplies RF Transmission products for the HFC (Hybrid Fiber Coax) Plant of Kabel Deutschland. The active and passive components for our broadband network run absolutely stable. For our future needs and competitiveness, we will have to focus even more on savings in rack space and power consumption as well as an increased level of flexibility and modularity. The DEV Team understands our requirements and adapts to our needs with new innovative developments.

Frank Helleminck, CTO Vodafone Kabel Deutschland GmbH