



# *FIBRE OPTIC ACCESS SYSTEMS*

*SUBONET*

## **About us**

EMC, Electronic Media Communication SA, headquartered in San Antonino, Switzerland. The Company was founded in 1997 following a Management Buy-Out of the engineering division of the regional CATV network operator. With more than 20 years experience in designing and manufacturing CATV equipment, EMC's business today is to provide innovative communications solutions which fulfil high requirements for performance, operational stability and cost-effectiveness.

Our expertise and experience is best known for designing, manufacturing highly integrated fiber optic products for the transmission of analog, digital TV signals and digital transmissions systems.

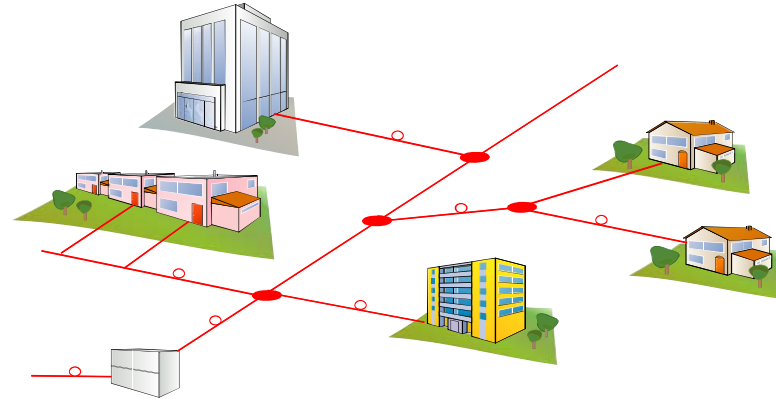
We are committed to innovative solutions. All EMC fibre optic products are customer oriented designs meeting the customer and market requirements.

We build our reputation by developing cost effective and reliable products in straight collaboration with our customers. Our completeness, the flexibility and high level of expertise of our engineers make us an attractive partner for network operators.

# EMC Fiber optic access systems

The **EMC SUBONET** access system provides a complete line of products. The **fiber node hub** includes the optical node converter with a complete management for fiber distribution cable termination, all built in robust aluminium enclosure. It accommodates a termination shelf for Ethernet interface connectivity upon request.

The **optical node converter** offers legacy CATV and DOCSIS based services over fibre infrastructure. The **fibre optic transceiver** family performs the signal conversion in both directions at subscriber's home. The **home termination housing** offers a protecting fibre and splicing area for easy and rapid home installation.



## FIBER NODE HUB



*NHF System fiber node hub*

- ◆ Two-way operation: 5-65/47-862MHz
- ◆ From 24 up to 192 ports per enclosure
- ◆ Dedicated subscriber access line
- ◆ Pre-terminated with fiber management
- ◆ Termination shelf for Ethernet connectivity
- ◆ Installation in outside plant environment

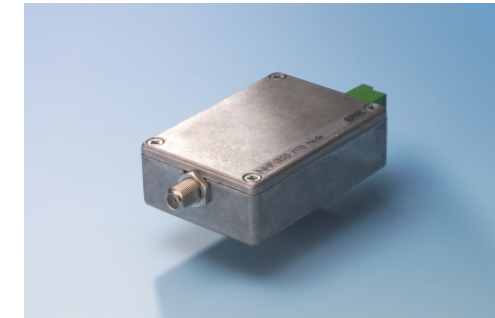
## OPTICAL NODE CONVERTER



*NHC System optical node converter*

- ◆ Two-way operation: 5-65/47-862MHz
- ◆ Compatibility with DOCSIS 1.0/2.0
- ◆ From 24 to 48 subscribers per housing
- ◆ Configurable to suit coaxial & optical inputs
- ◆ Modular Plug & Play design
- ◆ Ruggedised cast aluminium housing
- ◆ Fully connectorised

## FTTB PRODUCTS



*NHP Fiber optic transceiver system*

- ◆ Two way operation: 5-65MHz/47-862 MHz
- ◆ Complies with CENELEC & DOCSIS Standards
- ◆ High RF output for in-house distribution
- ◆ No adjustment required
- ◆ Ruggedised compact cast aluminium housing
- ◆ Plug & Play functionality
- ◆ Ideal for FTTB applications

## FTTH PRODUCTS



*NHP Fiber optic transceiver socket*

- ◆ Two-way operation: 47-862/5-65MHz
- ◆ Complies with CENELEC & DOCSIS Standards
- ◆ No adjustment required
- ◆ Ultra compact design
- ◆ Built-in splicing area
- ◆ Connectivity for high speed data



*Home termination housing*

- ◆ Accommodates CATV transceiver & Media converter
- ◆ Fiber protecting & splicing area
- ◆ Weather resistant moulded housing
- ◆ Dedicated rubber for cable entries