

COMPACT LINE/GLOBAL LINE Nodes

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LR 54/ LR 55

HFC Node

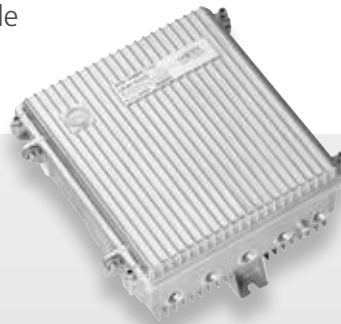


KEY FEATURES

1x1 Fiber Node for HFC / CATV applications
Optical automatic level control for constant output level
Easy handling with handset
Integrated fiber management
Output power CENELEC: 110 dBuV (flat) / 113 dBuV (9 dB slope)
Power consumption: < 25 W
Local power (LR 54) or remote power (LR 55)
Various pluggable upstream transmitter LT 4x
HMS management

LR 43

HFC Node



KEY FEATURES

1x2 fiber node with high output power
Pluggable optical transmitter and receiver modules meeting individual application
Electronic upstream clustering for bandwidth increase
Output power CENELEC: 2x 114 dBuV (6 dB slope)
Power consumption: < 45 W
Local power (LR 43) or remote power (LR 63)
Pluggable Upstream Transmitter LT 4x
HMS management

LT 4x

Pluggable Upstream Transmitter



TECHNICAL INFO

Laser type	Dual stage isolated DFB laser
Optical output power	+3 dBm/+6dBm
Wave length	CWDM Grid
Frequency range	10 ... 85 MHz
Relative intensity noise	< -145 dB√Hz
Nominal input level	75 dBμV

VALUE LINE Nodes

LR 22

HFC Fiber Node



KEY FEATURES

High output level for MDU applications 117 dBμV (6dB slope) / 114 dBμV (flat)

Two configurable RF outputs with pluggable splitters/taps

DOCSIS 3.1 compliant with Downstream up to 1.2 GHz and Upstream up to 204 MHz

Pluggable duplex filters for migration

Full adjustment control via wireless bluetooth app or handset OH 41

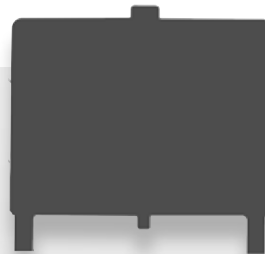
Full adjustment control via wireless bluetooth app or handset OH 41

Compact housing for outdoor use (IP66)

Locally powered (LR 2x 2xxx) or remote powered (LR 2x 6xxx)

LT 22

Optical Upstream Module



KEY FEATURES

Laser type isolated CWDM DFB lasers

Optical output power +3 dBm output power

Frequency range 5 to 204 MHz

Wave length 1270 ... 1610 nm CWDM grid

Nominal input level (5 % OMI) 75 dBμV

LR 27

RFoG Node



KEY FEATURES

High output level for MDU applications 117 dBμV (6dB slope) / 114 dBμV (flat)

Two configurable RF outputs with pluggable splitters/taps

DOCSIS 3.1 compliant with Downstream up to 1.2 GHz and Upstream up to 204 MHz

Pluggable duplex filters for migration

Full adjustment control via wireless bluetooth app or handset OH 41

Remote control (compliant to IEC 60728-14) via FSK receiver module

Compact housing for outdoor use (IP66)

Locally powered (LR 2x 2xxx) or remote powered (LR 2x 6xxx)

OPTOPUS Micronodes

LR 91

RF Overlay Fiber Node



KEY FEATURES

- Optical input power -8 ... +1 dBm
- Output power 100 dBuV (3 dB slope) or 80 dBuV (flat)
- Variable input attenuator (20 dB)
- Electrical downstream test port
- LED monitoring of downstream input power
- LR 91 W: integrated optical filter for PON-loop-through

LR 92

HFC Fiber Node



KEY FEATURES

- Optical input power -8 ... +1 dBm
- Output power 98 dBuV (6 dB slope) or 80 dBuV (flat)
- Variable input attenuator (20 dB)
- Switchable downstream / upstream test port
- LED monitoring of downstream input power and upstream laser operation
- LR 92 W: integrated optical multiplexer for US and DS on one single fiber

LR 93

RFoG Fiber Node



KEY FEATURES

- DOCSIS 3.1 compliant
- Optical input power -6 ... +2 dBm
- Output power 98 dBuV (5 dB slope) or 80 dBuV (flat)
- Pluggable Diplex Filter
- Switchable downstream / upstream test port
- LED monitoring of downstream input power and upstream laser activity
- LR 93 W: integrated PON filter for open access architectures