



CMN-100

CATV RF Receiver

The CMN-100 is an CATV RF Optical Receiver that is specially designed for FTTH network. With small housing and compact internal circuit, the CMN-100 can be installed in existing fiber manager box or use for CPE independent. The CMN-100 provides many advantages: Increase subscriber satisfaction with guaranteed signal levels, Shorten installation time with easier and simplified installation procedure, Stable units with wide temperature range and IP43 classified enclosure, Cut costs with fewer EDFAs, Less hassle with easier network planning.

Feature

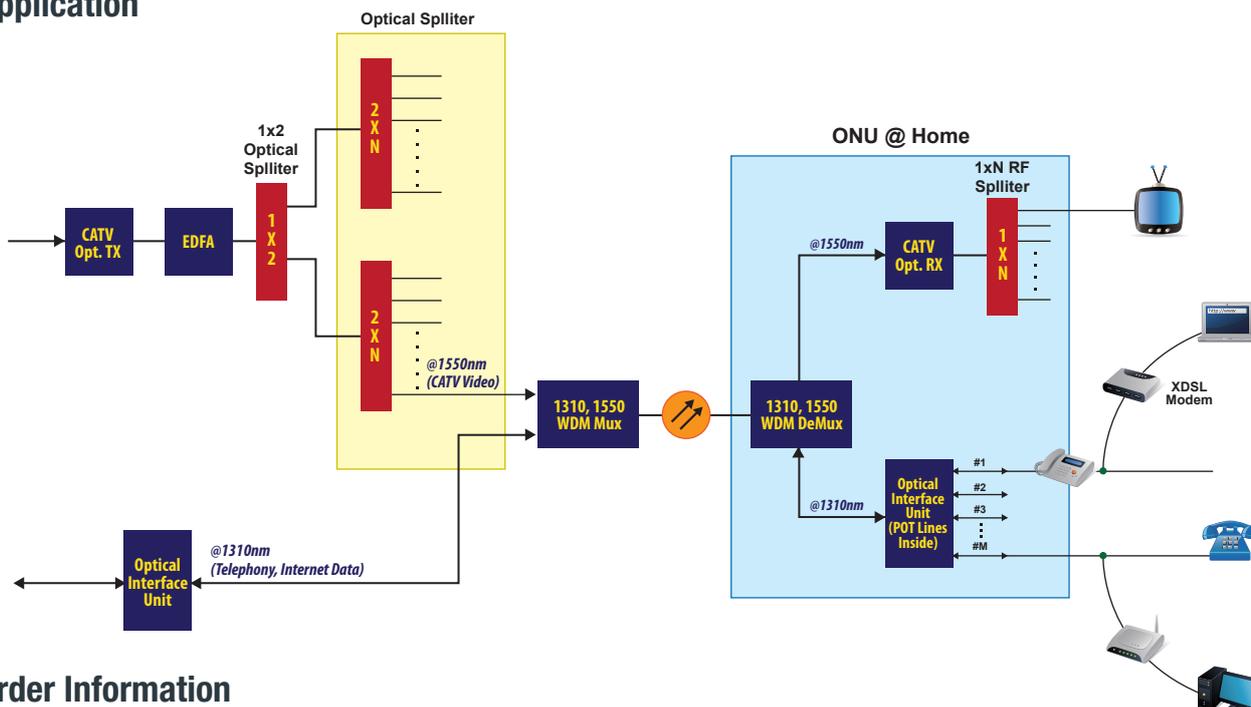
- Bandwidth to 1GHz
- Wide input power range: 0dBm to -10dBm
- Stable output level: 83dBuV
- Optical level auto gain control
- Excellent sensitivity and linearity
- Wide DC input ability from 9 ~21V
- Low power consumption
- RoHS Compliance
- LED for power
- LED for OPT-IN signal. Light up when optical in signal exceed range (0 to -10 dBm)

Specifications

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|--|---|---|
| Optical Specifications | Wavelength | 1260 to 1610nm |
| | PD Type | Receptacle |
| | Optical Connector | SC/APC |
| | Optical Input Power | 0 to -10dBm (AGC-Optical level auto gain control) |
| RF Specifications | RF Band width | 47 - 1000MHz |
| | Return Loss | 13 dB (Typical) (12dB Min) |
| | Output level | 83dBuV |
| | Flatness | +/- 1 dB |
| | CNR | 48 |
| | CTB: 67dB, CSO: 63dB | |
| | • PAL 63 chs loading ,OIM=4% and optical input power @-6dBm | |
| • NTSC 77 chs loading ,OIM=4% and optical input power @-6dBm | | |

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|-------------------------------|-----------------------------|---------------------------------------|
| General Specifications | Power supply | DC15V/300mA |
| | DC in range | 9~21V |
| | Power Consumption | 2.5W |
| | RF Connector | F-type (Female) Fit for cable size |
| | RF Output Impedance | 75Ω |
| | Operating Temperature range | -20 to +50°C |
| | Storage Temperature range | -40 to +70°C |
| | Dimensions | 72.2 x 44 x 14.8 mm (L x W x H) |
| | Weight | 0.2kg |

Application



Order Information

| Model Name | Description |
|------------|----------------------------------|
| CMN-100 | CATV RF Optical Receiver, SC/APC |