

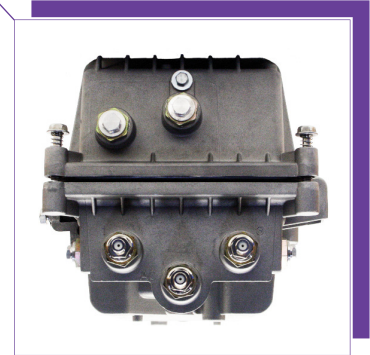
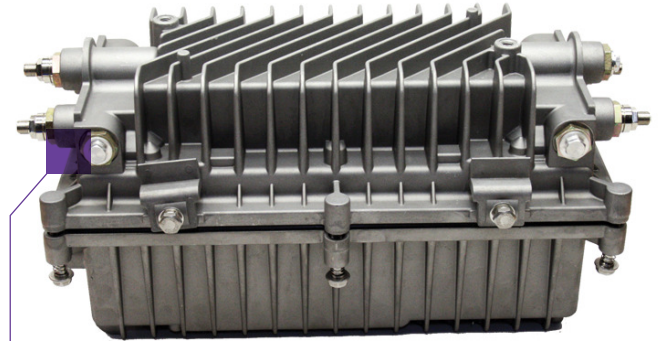
4-PORT OPTICAL NODE [ON-860-4-x-x-R-x]

Fiber Products, Nodes

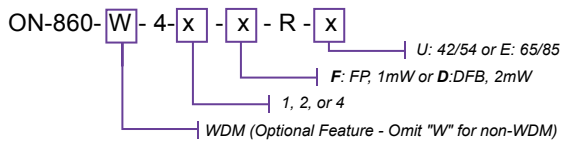
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Features

- Four high level output ports with GaAs power double amplifier module
- 15 ampere current capacity (steady state) and 25 ampere surge survivability
- Surge resistant circuitry ensures gain stage protection without fuses or from failure causing devices
- 40-90V AC high-efficiency switch mode power supply
- Standard fiber management tray provides fiber and connector storage for up to 6 connector pairs
- Select 1, 2 or 4 reverse path optical transmitters
- Local test points and LED indicators on optical receivers and transmitters to simplify installation and maintenance
- Optical status monitoring and control
- The ON-860-4-x-x-R-x launch amplifier uses fixed-value plug-in accessories
- Forward output test point and reverse input test point for each port on the launch amplifier ensures optimum design and alignment



Ordering Information



FP Advantage: Economical and ideal for less stringent performance systems.

DFB Advantage: Designed for high capacity reverse traffic and analog video carrier transmission

| Model Number | Description | Box Weight | Dimensions (LxWxH) |
|------------------|---------------------|-----------------|---------------------------------|
| ON-860-4-x-x-R-x | 4 Port Optical Node | 10 kgs (22 lbs) | 38 x 20 x 19cm (15 x 8 x 7.5in) |

| Accessories | Description |
|---------------|--|
| ON-860-ATT-xx | Plug in Attenuator // 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22 |
| ON-860-EQ-xx | Plug in Equalizer // 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22 |
| ON-860-T-x | Return Transmitter // F (FP Laser) or D (DFB Laser) |

Forward Optical Receiver Module

| | |
|--------------------------------------|----------------|
| Optical Wavelength | 1000 ~ 1600 nm |
| Input Optical Reflection Loss | >45 dB |
| Photoelectric Module Response | 0.85 A/W |
| Max Optical Input Power | 3 mW |
| Optical Input Test Point | 1 ± 0.2 V/mW |

RF Amplifier Characteristics

| | |
|-----------------------------------|--|
| Forward bandwidth (option) | 54-860 or (85-860) MHz |
| Frequency Response | 0.5 dB |
| Noise Figure | < 9.5 dB |
| Output Reflection Loss | > 16 dB |
| Output Level | 107 dBuV |
| Distortion: CTB | < -72 dBc |
| Distortion: CSO | < -68 dBc |
| Test Level | 77 Analog Channels +200 MHz Digital -20 dB |

Return Optical Transmission (optional)

| | |
|-----------------------------------|-------------------------------|
| Bandwidth (option) | 5-42 or (5-65) MHz |
| Optical Output Power Level | FP: 1 mW DFB: 2 mW |
| Wavelength | FP: 1310 nm DFB: 1310 nm |
| Optical Connector | SC / APC |
| Optical Output Test Point | 1 ± 0.2 V/mW |

Electrical Characteristics

| | |
|--------------------------|------------------------------------|
| Voltage | 40-90 VAC |
| Frequency | 47-63 Hz |
| Power Consumption | 70 watts typical, 94 watts maximum |