



# Optical amplification equipment

## Modular optical amplifiers

- C-band booster amplification
- low noise, high output, high reliability
- Web interface and SNMP monitoring
- automatic shutdown on low input
- easy changeable integrated fan
- DIN rail or wall mounting
- robust die-cast housing
- connectors:  
LAN connector - RJ-45  
screw terminal block for DC entry



| Technical specifications    |                           |         |                        |
|-----------------------------|---------------------------|---------|------------------------|
| T Y P E                     | OAD512*                   | OAD514* | OAD518*                |
| Ordering number             | see ordering information* |         |                        |
| Operating wavelength        | 1528-1564 nm              |         |                        |
| Input power                 | -3...+10 dBm              |         |                        |
| Number of outputs           | 2                         | 4       | 8                      |
| Power per output            | 16 dBm                    | 13 dBm  | 10 dBm                 |
| Noise figure                | 5 dB max.                 |         |                        |
| Optical return loss         | min. 50 dB                |         |                        |
| Status indication           | LAN & LED                 |         |                        |
| Supply voltage              | 12 V ± 1 V                |         |                        |
| Current consumption         | 1.2 A max.                |         |                        |
| Operating temperature range | 10 ÷ + 35 °C              |         |                        |
| Dimensions/Weight (packed)  | 65x198x124.5 mm/1.64 kg   |         | 65x198x124.5 mm/1.7 kg |

\* ordering information:

| Type     | Connector IN&OUT | Ordering number |
|----------|------------------|-----------------|
| OAD512 E | FC/UPC           | 03894           |
| OAD514 E | FC/UPC           | 03895           |
| OAD518 E | FC/UPC           | 03896           |
| OAD514 F | FC/APC           | 03866           |
| OAD518 F | FC/APC           | 03865           |
| OAD512 H | SC/APC           | 03897           |
| OAD514 H | SC/APC           | 03898           |

**Remotely monitored parameters:**

- optical input power
- optical output power
- supply voltage
- pump laser current
- internal temperature
- fan speed
- alarms information
- diagnostic information

**Remotely controlled parameters:**

- switching pump laser On/Off
- all alarms limits