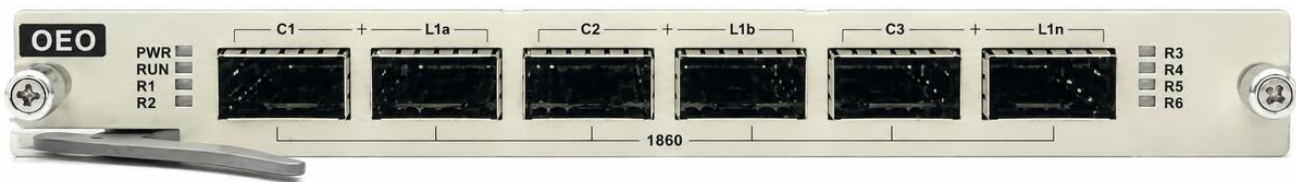


# GF-6000- OEOTQ2Q

40G / 100G multi-rate transponder | 6 x QSFP28

## 1. Product overview

Optical relay module for DWDM and CWDM metro networks. Three 40G or 100G services can operate simultaneously, with OEO wavelength conversion and 3R signal regeneration. Client signals are converted to standard WDM wavelengths for short- and medium-haul wavelength-division transport.



## 2. Key features

- Three simultaneous 40G or 100G service channels
- Six QSFP28 ports in product title; 40G QSFP+ also supported
- 3R regeneration: re-amplification, re-shaping and re-timing
- Transparent optical-electrical-optical conversion
- Relay, amplification and wavelength conversion
- Compact, hot-swappable design for GF-6000 chassis

## 3. Applications

Metropolitan wavelength-division networks; 40G/100G short- and medium-range links; data-center and cloud transport; optical relay and wavelength conversion; enterprise backbone interconnections.

## 4. Technical data

| Parameter                 | Specification                                                 |
|---------------------------|---------------------------------------------------------------|
| Data rate / service count | 40 or 100 Gb/s / 3 simultaneous services                      |
| Client side               | 100G QSFP28 or 40G QSFP+                                      |
| Line side                 | 100G QSFP28 or 40G QSFP+                                      |
| Product-title port count  | 6 x QSFP28                                                    |
| Function                  | OEO relay, amplification, regeneration, wavelength conversion |
| Dimensions (W x D x H)    | 191 x 253 x 20 mm                                             |
| Chassis compatibility     | GF-6000 CH04 / CH08 / CH20                                    |
| Power consumption         | = 30 W (source notation)                                      |

## 5. Recommended operating conditions

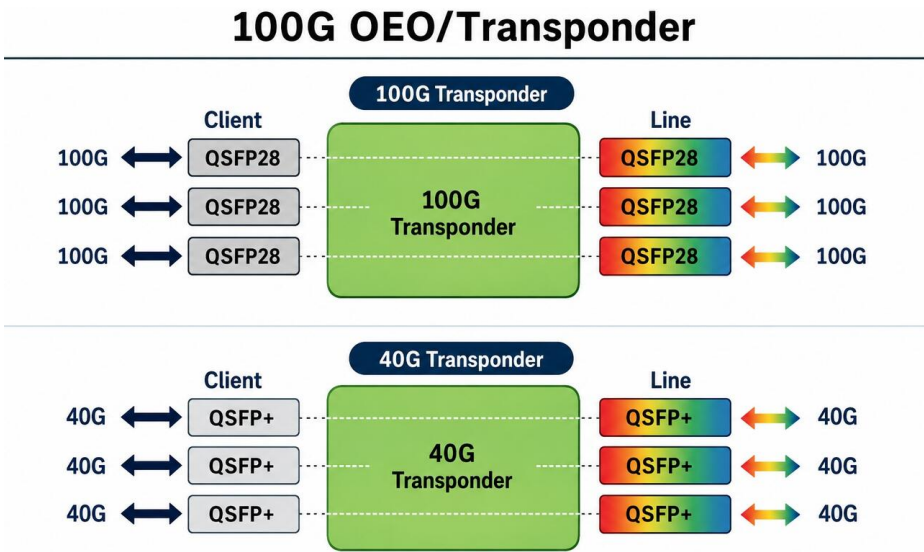
| Operating temperature | Storage temperature | Relative humidity     |
|-----------------------|---------------------|-----------------------|
| -10 to +60°C          | -40 to +80°C        | 5-95%, non-condensing |

# GF-6000- OEOTQ2Q

## 6. Optical characteristics

| Parameter                               | Specification                                     |
|-----------------------------------------|---------------------------------------------------|
| WDM operation                           | DWDM and CWDM                                     |
| Client / line optical interfaces        | QSFP28 at 100G; QSFP+ at 40G                      |
| Simultaneous services                   | 3 x 40G or 3 x 100G as illustrated                |
| Wavelength conversion                   | Native client signals to standard WDM wavelengths |
| Wavelength / power / sensitivity limits | Not specified on the product page                 |

Optical launch power, receiver sensitivity, optical budget and numeric transmission distance are not specified on this product page.



Functional illustration published on the product page.

## 7. Digital diagnostics and management

Integrated TELNET, SNMP and Web GUI network management. Hot-swappable design supports maintenance in the GF-6000 platform.

## 8. Safety and regulatory

No laser safety class or regulatory certification details are specified on the product page.

## 9. Ordering information

| Product number   | Product description                            |
|------------------|------------------------------------------------|
| GF-6000- OEOTQ2Q | 40G / 100G multi-rate transponder   6 x QSFP28 |