Description

Optical transceiver compatibility problem solving and optical transmission distance extension solution of optical communication equipment.

CV-Q404S10-R3 (19’ RACK Type)

CV-Q404S10-S (Single Type)
QSFP to 4xSFP Converter

40G QSFP to 10G SFP Converting Device

100G QSFP to 25G SFP Converting Device (In Development)

Features

- 1xQSFP to 4xSFP Converting Device
  - Single Type or 19' Rack Type
- STANDARDS COMPLIANCE
  - QSFP+ End : SFF-8436   IEEE 802.3ba
  - SFP+ End : SFF-8431   SFF-8432   SFF-8472
- Data Rate Per Lane 9.8Gbps to 11.32Gbps
- With 4ch CDR (clock and data recovery)
- DC -48V supply voltage

Application

- QSFP+ long distance link
- InfiniBand 4X SDR, DDR, QDR and FDR
- Ethernet 10G, 40G
- Fiber Channel 10G, 40G, SAN, 4X16G
- Rack-to-Rack, Shelf-to-Shelf Interconnect
- Top of Rack (TOR) and Core Switch

CV-Q404S10-R3 (19’ RACK Type)
CV-Q404S10-S (Single Type)
# Absolute Maximum Ratings

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Symbol</th>
<th>Min</th>
<th>Max.</th>
<th>Units</th>
<th>Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature</td>
<td>Tc</td>
<td>0</td>
<td>70</td>
<td>°C</td>
<td>Case</td>
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<tr>
<td>Storage Temperature</td>
<td>Tstg</td>
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<tr>
<td>Relative Humidity</td>
<td>RH</td>
<td>5</td>
<td>95</td>
<td>%</td>
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## ELECTRICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Values</th>
<th>Conditions</th>
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</thead>
<tbody>
<tr>
<td>Data Rate Per Lane</td>
<td>9.8</td>
<td>11.3 Gbps</td>
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<tr>
<td>Power Supply</td>
<td>-48</td>
<td>V</td>
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<td>Power Consumption</td>
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<tr>
<td>Differential Impedance</td>
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<td>110 Ω</td>
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</table>
QSFP to 4xSFP Converter

40G QSFP to 10G SFP Converting Device

100G QSFP to 25G SFP Converting Device (In Development)

TYPICAL CONNECTION
QSFP to 4xSFP Converter
40G QSFP to 10G SFP Converting Device
100G QSFP to 25G SFP Converting Device (In Development)

MECHANICAL DIMENSION
CV-Q404S10-S (Single Type)

MECHANICAL DIMENSION
CV-Q404S10-R3 (19’ RACK Type)
Portable optical Transceiver Checker

Description

- Optical Transceiver Evaluation & Verification.
- Help to quick verify optical transceiver performance.
- Portable optical Transceiver Checker is field diagnostic Product for optical transceivers operator, installation and maintenance with compact, easy operation.

Tel : +82-40-824-7283
Fax : +82-40-824-7284
sales@icoworks.co.kr
Portable optical Transceiver Checker

Features

- Checking SFP Transceiver and QSFP Transceiver
- Available to check SFP/QSFP TX & RX power level (LCD Display)
- Available to check SFP/QSFP Bit-Rate (LCD Display)
- Available to check SFP/QSFP Tx Wavelength (LCD Display)
- Compact Size and Easy operation
- Connects to a standard PC / laptop via USB connection for complete
- Serial ID Read for standard SFP transceiver
- DC 5V supply voltage

Application

- Installation & maintenance of optical communication network.
- Simple optical power measurements
- Checking SFP or bidirectional SFP module operation
- Checking QSFP module operation
### Absolute Maximum Ratings

<table>
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<tr>
<th>Parameters</th>
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<tr>
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<td>°C</td>
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### ELECTRICAL CHARACTERISTICS

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<td>Power Consumption</td>
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Portable optical Transceiver Checker

- Checking the SFP to the SFP Transceiver (LC-LC OJC)
  1-channel bidirectional transmit/receive optical power, Tx fault, LC-LC OJC Loss

- Checking the QSFP to the QSFP Transceiver (MPO-MPO OJC)
  4-channel bidirectional transmit/receive optical power, MPO-MPO OJC Loss

- Checking the QSFP to the QSFP Transceiver (MPO-LC OJC)
  4-channel bidirectional transmit/receive optical power, MPO-LC/PC Breakout OJC