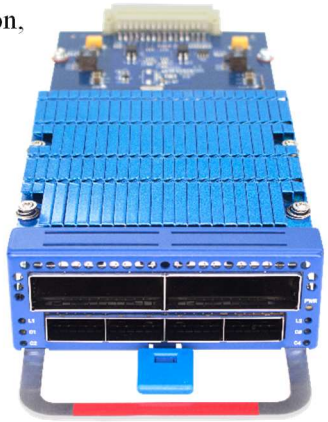
# 2*100G QSFP28 to 200G CFP2 TMUX board FW842

2*100G QSFP28 to 200G CFP2 TMUX card is designed for fiber optic links and provides 200G service access. It can convert two channels of 2*QSFP28 100G to CFP2 200G. The CFP2 coherent optical module has adjustable wavelengths and can be used in conjunction with DWDM multiplexers/demultiplexers to achieve wavelength division multiplexing transmission. This solution offers a high-quality resolution for addressing the challenges of limited fiber resources and high fiber line losses.

## Product Features



- The board supports two channels of 2*100G to 200G coherent transmission, enabling dual 200G line-side transmission.
- It has adjustable wavelengths and supports a maximum of two channels of 200G with 75GHz * 64 waves or 200G with 100GHz * 48 waves.
- It features flexible coherent modulation technologies: DP-16QAM, DP-8QAM, DP-QPSK.
- It incorporates various FEC error correction technologies: oFEC, CFEC, SCFEC, SDFEC.
- It supports flexible service access functions: 100GE, 100GE KR4, OTU4, and 100G FlexE.
- It provides comprehensive performance monitoring and statistical functions.
- It supports Ethernet RMON performance statistics, DM delay and PRBS detection functions, and OTN PM and SM performance statistics.
- It supports high-precision real-time monitoring of board temperature, voltage, current, and power consumption.
- On the client side, it supports various module interface types: 100GSR4/CWDM4/LR4/PSM4.
- It supports a unified network management platform with SNMP, CLI, Web, NMS (graphical interface), and NetconfYang model interfaces.

## Product parameters

| Parameters | | Describe |
|---|---|---|
| Maximum capacity of single board | | 2*100G dual-directional transmission<br>2*100G unidirectional transmission |
| Wavelength (frequency) range | | DWDM:1529.16mm-1567.14nm(191.3THz-196.05THz) |
| Adjustment method | | DP-QPSK@100G; DP-16QAM@200G; DP-8QAM@200G; DP-QPSK@200G;<br>DP-8QAM@300G: DP-16QAM@400G |
| Line side protocol | | Open ROADM/Open ZR+/SCFEC |
| Dispersion tolerance | | ±40000ps/nm@100G |
| OSNR Tolerance | | <11.5dB@100G DP-QPSK:<18.5dB@200G<br>DP-8QAM;<21.5dB@200G DP<br>16QAM;<14dB@200G DP-QPSK; |
| Service access type | | 100GE,100GE KR4,OTU4 and 100G FlexE |
| Board size | | 86(W)x40(H)x215(D)(mm) |
| Environmental requirements | Operating temperature | -5℃~45℃ |
| | Storage temperature | -40℃~85℃ |
| | Relative humidity | 5%~95% non-condensing |
| Product Size | | 100(W)x40(H)x224(D)(mm) |
| Power consumption | | <86W |