

# Optical Data Center 2 (ODC2)

## Make data do more for you with 16G Fibre Channel and Layer One encryption

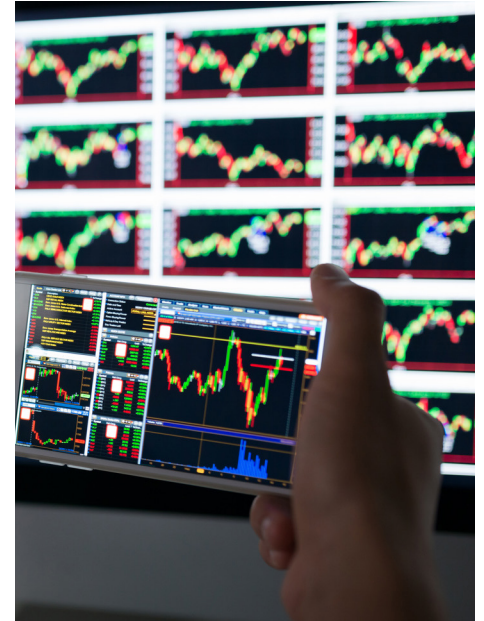
Big Data continues to enrich the financial world with enhanced insights from analytics into customers' shopping habits and with the performance of stocks, bonds and other securities. This comes at the price of more data traversing in WANs, bottlenecking bandwidths that can delay sales and purchases when they're needed most, especially in high-frequency trading platforms.

The Optical Data Centre 2 (ODC2) transponder module, utilised within the Sorrento Networks GigaMux 3200 solution, presents data centres with one port of 16G Fibre Channel (FC) with 8G, 4G as well as 10 Gigabit Ethernet (GE) also supported on both ports. This is robustly secured using AES-256 encryption at Layer One. Using Diffie-Hellman key exchange, the algorithm meets NIST DP800-90A to provide maximum data security for you and your clients.

The module delivers the ability to establish, adapt and scale fibre optic WDM networks and meet changing demands. The ODC2 is ideal for DCI applications, including disaster recovery, with up to two REGEN instances per ODC2 card installed. Used by 96% of banks, retailers and airlines, Fibre Channel is more reliable and secure than Ethernet, demonstrated with over 30 billion transactions through fibre optic networks per day<sup>1</sup>.

The ODC2 can be managed using a command line interface, the web browser interface software GigaView Element Management System (EMS), and the SNMP protocol, where customers can remotely manage network elements, provision services and isolate problems quickly and effectively, minimising truck rolls.

<sup>1</sup> SHARE Inc. – <http://www.share.org/d/do/9005>



## Highlights

- > **GigaMux 3200** -- ODC2 module can be deployed in all GM3200 chassis, GM3208 & GM3217
- > **Diverse Capability** -- One port of 16G FC with speeds of up to 14.025 Gb/s. Two ports of 4G, 8G FC and 10GE.
- > **Flexible Technology** -- Utilises multirate SFP+ with tunable optics available
- > **256-bit AES Encryption** -- Layer One encryption for truly secure data, preventing the intercept of confidential data
- > **Scalable** -- Free your network to grow according to business requirements not restrictive technologies
- > **Ultra-Low Latency** -- Ideal for high frequency trading and synchronous DCI applications like disaster recovery
- > **Manage With Ease** -- Configure, set alarms and perform maintenance with GigaView EMS, SNMP



### About Sorrento Networks

Sorrento Networks is a global provider of cost-effective optical transport solutions to carriers and enterprises throughout North America and Europe. Sorrento Networks is part of The Comtek Group, with facilities in the UK, USA, Netherlands, Turkey and Germany.



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