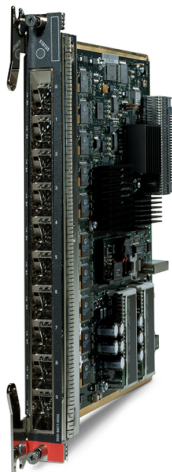


Cisco ONS 15530 DWDM 10-Port ESCON Aggregation Card

The Cisco ONS 15530 10-Port ESCON Aggregation Card for the Cisco ONS 15530 DWDM Multiservice Aggregation Platform provides efficient wavelength usage by aggregating up to 10 Enterprise System Connection (ESCON) signals on a single 2.5 Gbps wavelength or up to 40 ESCON signals on a 10 Gbps wavelength. This enhances service capacity for the Cisco ONS 15530, making it ideal for both low-density and high-density storage applications.

Figure 1
 Cisco ONS 15530 10-Port
 ESCON Aggregation Card



Benefits	
High-density service aggregation	Provides industry-leading aggregation capabilities of up to 40 ESCON services per 10 Gbps ITU (International Telecommunication Union) wavelength or up to 10 ESCON services per 2.5 Gbps ITU wavelength. When used with a 32-wavelength system, such as the Cisco ONS 15540 system, up to 1280 ESCON services can be supported per fiber pair.
Investment protection	Provides investment protection for customers by allowing support of both low-density and high-density deployments with the same aggregation card in conjunction with 2.5 Gbps or 10 Gbps ITU trunk cards.
Scalability	Support for scalable ESCON deployment sizes allows the network to grow and evolve with customer requirements. As a customer's network grows, additional ESCON services can be easily added to a Cisco ONS 15530 network.
Service mixing	When combined with the Cisco ONS 15530 10 Gbps Trunk Card and Cisco ONS 15530 switch fabric, network design flexibility and bandwidth efficiency can be achieved by allowing a single 10 Gbps wavelength to carry a combination of ESCON, Fibre Channel, FICON, and Gigabit Ethernet protocols between customer data centers. This greatly reduces the complexity of a network design by minimizing the number of wavelengths required.
Protection options	Offers several protection options for customers requiring an enhanced level of service availability, including client and trunk protection.
Performance monitoring	Offers digital performance monitoring, providing customers with added visibility into protocol statistics in addition to optical signal performance.
Certifications	Compatible with storage solutions from Cisco partners, including IBM GDPS, EMC SRDF, HP/Compaq DRM, and HDS TrueCopy, allowing customers the choice of deploying the Cisco ONS 15530 platform in many types of storage environments with full confidence.
Storage applications	Provides aggregation of multiple ESCON services for storage networking applications such as business continuance, disaster recovery, disk mirroring, and storage-area network (SAN) extension.



Optical Specifications

Table 1 Client Optical Specifications

Cisco ONS 15500-XVRA-01A2 (ESCON Multimode SFP Optics)			
Description	1310 nm multimode ESCON		
Connector type	MT-RJ		
Fiber type	Multimode 50 um / 62.5um		
Receiver specification	Minimum	Typical	Maximum
Receiver sensitivity	-33 dBm	—	-14 dBm
Receiver overload	—	—	-14 dBm
Input wavelength	1280 nm	—	1380 nm
Transmitter specification	Minimum	Typical	Maximum
Transmitter power	-19.5 dBm	—	-15 dBm
Output wavelength	1280 nm	—	1380 nm

Table 2 Specifications

<p>Client ports (pluggable optics)</p> <ul style="list-style-type: none"> Up to 10 pluggable optics per card <ul style="list-style-type: none"> 1310 nm multimode Bit rate: 200 Mbps Connector type: MT-RJ <p>Specifications</p> <ul style="list-style-type: none"> Dimensions (H x W x D): 10.4 in. x 1.105 in. x 8.796 in. Bit error rate: 1×10^{-15} Digital monitoring support 	<p>Configuration options</p> <ul style="list-style-type: none"> Up to six cards per chassis Compatible in slots 1 to 4 and slots 7 to 10 Compatible with both 2.5 Gbps and 10 Gbps Trunk Cards
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Ordering Information

Product Code	Description	Minimum Cisco IOS [®] Software
15530-LCMB-0200	Cisco ONS 15530 10-Port ESCON Aggregation Card	SO530C-12110EV
15500-XVRA-01A2	Cisco ONS 15530 ESCON pluggable optics (MT-RJ)	SO530C-12110EV

* Common Language Equipment Identifier (CLEI) codes are available upon request.

For more information about the individual modules available with the Cisco ONS 15530 platform, refer to the Cisco ONS 15530 technical specifications, available at:

<http://www.cisco.com/en/US/products/hw/optical/ps2011/ps4002/index.html>



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