

Cisco ONS 15454 Multiservice Provisioning Platform Release 3.3.0

Cisco Systems is proud to announce that Cisco ONS 15454 Metro Optical Transport Platform Release 3.3.0 is available for order (Figure 1). This product release delivers greater revenue-generating service densities and also introduces several new software features that allow service providers, and enterprise users to maximize efficiencies and reduce operational costs.

Figure 1
Cisco ONS 15454 SONET Multiservice Provisioning Platform (MSPP)



ONS 15454 Release 3.3.0 Hardware Features

- *Four-Port OC-12/STM-4 Intermediate Reach (IR) Card*—Release 3.3.0 of the ONS 15454 MSPP continues to deliver radical economics and densities with the introduction of a four-port, single-slot OC-12 card. The four-port OC-12/STM-4 card for the industry-leading Cisco ONS 15454 optical transport platform expands flexibility in network architectures and advances footprint efficiencies for enterprise users and service providers. The card features four OC-12/STM-4 interfaces (each interface can be independently provisioned to accept SONET or SDH signals) with each delivering 622.08Mbps of carrier-class service to bandwidth intensive service PoPs (Points of Presence) that require a scalable, multiservice scalable solution. The high density OC-12/STM-4 card users to further reduce operational costs by reducing required footprint (a 4x increase in service density in a single 15454 multiservice slot), decreasing power consumption, and lowering overall networking costs.

ONS 15454 Release 3.3.0 Software Features

- *Unified Software Release*—R3.3.0 and future product releases of the Cisco ONS 15454 and ONS 15327 will be synchronous. Concurrency across both ONS 15454 and 15327 MSPP platforms allows transparent management of an ONS 15454/15327 optical network.
- *Local/Remote Craft Access*—Greater operational efficiencies through enhancements in Remote Cisco Transport Controller (CTC) and direct CTC access.
- *Provisionable Spanning Tree*—Additional networking flexibility is offered by allowing the user to disable spanning tree on a circuit-by-circuit basis. This allows multiple E-series Ethernet card within an ONS 15454 chassis, operating in single card ether-switch mode, to utilize the same VLAN ID numbers.
- *Orderwire Pass-Through*—Orderwire circuits can be passed-through intermediate ONS 15454 nodes that are not equipped with an Alarm Interface Card (AIC).

Availability

Release 3.3.0 orderability is planned for the week of May 6th, 2002 with a target first customer ship (FCS) within 30 days.

Ordering Information

The Cisco ONS 15454 Release 3.3.0 hardware and software products may be ordered from your sales representative or through the Cisco Networking Products Marketplace online order entry tool at <http://cisco.com/public/ordsum.html>. The new product names and descriptions are provided in Table 1. To access current CLEI (Common Language Equipment Identifier) code information for all Cisco products, please refer to the Cisco online CLEI Code Tool at http://www.cisco.com/cgi-bin/front.x/clei/code_search.cgi.

Table 1

Product Part Number and Descriptions

| Product Name | Description |
|--------------------|---|
| 15454-OC12I4-1310 | Four-Port OC-12/STM-4, IR, SC Connector, 1310 nm |
| 15454-OC12I4-1310= | Four-Port OC-12/STM-4, IR, SC Connector, 1310 nm |
| 15454-R3.3.0SW/CD | Release 3.3.0 Feature Package, CD-ROM |
| SF15454-R3.3.0 | Release 3.3.0 Software, pre-loaded on TCC+ card |
| 15454-DOC3.3.0PP | Release 3.3.0 Documentation—Paper |
| 15454-DOC3.3.0CD | Release 3.3.0 Documentation—CD-ROM |
| 15454-UPG-LIC | Release 3.3.0 Upgrade License, Feature Package, CD-ROM included, one license required per upgraded node |

Note: The systems and products described in this document are subject to New Product Hold (NPH), a status assigned to all new items that have not yet transacted through the Cisco manufacturing system and may not be available. Thus, product delivery dates can vary past the quoted first customer ship (FCS) date.

Table 2

Hardware/Software Compatibility Matrix

| Product Name | Software |
|--------------------|------------------|
| 15454-OC12I4-1310 | R3.3.0 or higher |
| 15454-OC12I4-1310= | R3.3.0 or higher |

For additional configuration and ordering information regarding Release 3.3.0, please contact your account representative and request document "R3.3.0 Configuration and Ordering Guide, ONS 15454".

Summary

The Cisco ONS 15454 Release 3.3.0 is designed to meet the demanding and evolving optical transport needs of service providers and enterprise customers. Today's networks also require efficient service delivery, bandwidth scalability, multiservice capability from a single platform, and transport protocol flexibility (aggregate multiple low-bit-rate services on any transport backbone bandwidth). Cisco ONS 15454 Release 3.3.0 exceeds these requirements with the following features:

- *Highest service density*—Only metro optical transport solution to scale from DS1 to OC-192 with the capability to drop an entire OC-192 bandwidth using high-density OC-12 cards in a single ONS 15454 chassis.
- *Multiservice support*—Widest selection of service interfaces to support demanding metro transport network requirements.
- *Most transport flexibility*—Flexible networking support including rings, linear point-to point, linear add/drop, star, and hybrid topologies.
- *Restoration choices*—UPSR, 2-fiber and 4-fiber BLSR, 1+1 APS, unprotected span, and Cisco's Path Protected Mesh Networking (PPMN).
- *Lowest life cycle cost*—Smallest footprint, easiest to engineer and install, and lowest cost per service.

For more information on the ONS 15454, please contact your Cisco Account Representative, or visit

<http://cisco.com/warp/public/cc/pd/olpl/metro/on15454/>



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