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Tech Notes



ONS 15454 SDH MSPP Hardware and Software Compatibility Matrix

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Introduction

This document provides a hardware and software compatibility matrix for the Cisco ONS 15454.

Prerequisites

Requirements

Readers of this document should have knowledge of these topics:

- Cisco Transport Manager (CTM)
- Cisco Transport Controller (CTC)
- Sun Java Runtime Environment (JRE)

Components Used

The information in this document is based on these software and hardware versions:

- CTC version 3.30.0x through 4.6.0x
- CTM version 3.1.x through 4.7
- JRE version 1.3.1_01 and 1.4.2

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

Conventions

For more information on document conventions, refer to the [Cisco Technical Tips Conventions](#).

Hardware and Software Compatibility

ONS 15454 SDH Software Release/Hardware Compatibility—XC-VXL-2.5G Configurations

The following table shows ONS 15454 Synchronous Digital Hierarchy (SDH) software and hardware compatibility for systems configured with XC-VXL-2.5G cards for Releases 3.3, 3.4, 4.0, 4.1, and 4.6.

Hardware	3.30.0x (3.3)	3.40.0x (3.4)	4.0.0x (4.0) 4.1.0x (4.1)	4.6.0x (4.6)
XC-VXL-2.5G	Not Supported	Not Supported	Fully Compatible	Fully Compatible
TCC2	Not Supported	Not Supported	Required	Required
AIC-I	Not Supported	Fully Compatible	Fully Compatible	Fully Compatible
E1N-14	Fully Compatible	Fully Compatible	Fully Compatible	Fully Compatible
E1-42	Not Supported	Not Supported	Fully Compatible	Fully Compatible
E3-12 F	Fully Compatible	Fully Compatible	Fully Compatible	Fully Compatible
DS3i-N-12	Fully Compatible	Fully Compatible	Fully Compatible	Fully Compatible
STM1E-12	Not Supported	Not Supported	Fully Compatible	Fully Compatible
	Fully	Fully	Fully	Fully

E100T-G	Compatible	Compatible	Compatible	Compatible
E1000-2-G	Fully Compatible	Fully Compatible	Fully Compatible	Fully Compatible
G1000-4	Fully Compatible	Fully Compatible	Fully Compatible	Fully Compatible
G1K-4	Not Supported	Not Supported	Fully Compatible	Fully Compatible
ML100T-12	Not Supported	Not Supported	Fully Compatible	Fully Compatible
ML1000-2	Not Supported	Not Supported	Fully Compatible	Fully Compatible
OC3 IR 4/STM1 SH 1310	Fully Compatible	Fully Compatible	Fully Compatible	Fully Compatible
OC3IR/STM1SH 1310-8	Not Supported	Not Supported	Fully Compatible, Slots 1 to 4, 14 to 17	Fully Compatible, Slots 1 to 4, 14 to 17
OC12 IR/STM4 SH 1310	Fully Compatible	Fully Compatible	Fully Compatible	Fully Compatible
OC12 LR/STM4 LH 1310	Fully Compatible	Fully Compatible	Fully Compatible	Fully Compatible
OC12 LR/STM4 LH 1550	Fully Compatible	Fully Compatible	Fully Compatible	Fully Compatible
OC12 IR/STM4 SH 1310-4	Not Supported	Fully Compatible, Slots 1 to 4, 14 to 17	Fully Compatible, Slots 1 to 4, 14 to 17	Fully Compatible, Slots 1 to 4, 14 to 17
OC48 IR/STM16 SH AS 1310	Fully Compatible	Fully Compatible	Fully Compatible	Fully Compatible
OC48 LR/STM16 LH AS 1550	Fully Compatible	Fully Compatible	Fully Compatible	Fully Compatible
OC12 IR/STM4 SH 1310-4	Fully Compatible	Fully Compatible	Fully Compatible	Fully Compatible
OC48 IR/STM16 SH AS 1310	Fully Compatible	Fully Compatible	Fully Compatible	Fully Compatible
OC48 LR/STM16 LH AS 1550	Fully Compatible	Fully Compatible	Fully Compatible	Fully Compatible
OC48 ELR/STM16 EH 100 GHz	Fully Compatible, Slots 5,6,12,13	Fully Compatible, Slots 5,6,12,13	Fully Compatible, Slots 5,6,12,13	Fully Compatible, Slots 5,6,12,13

OC192 SR/STM64 IO 1310	Not Supported	Not Supported	Not Supported	Not Supported
OC192 IR/STM64 SH 1550	Not Supported	Not Supported	Not Supported	Not Supported
OC192 LR/STM64 LH 1550	Not Supported	Not Supported	Not Supported	Not Supported
OC192 LR/STM64 LH ITU 15xx.xx	Not Supported	Not Supported	Not Supported	Not Supported
TXPP_MR_2.5G	Not Supported	Not Supported	Not Supported	Fully Compatible
TXP_MR_2.5G	Not Supported	Not Supported	Not Supported	Fully Compatible
TXP_MR_10G	Not Supported	Not Supported	Fully Supported	Fully Compatible
TXPP_MR_10G	Not Supported	Not Supported	Not Supported	Not Supported
MXP_2.5G_10G	Not Supported	Not Supported	Fully Supported	Fully Supported
FC_MR-4	Not Supported	Not Supported	Not Supported	Fully Compatible

ONS 15454 SDH Software Release/Hardware Compatibility—XC10G and XC-VXL-10G Configurations

The following table shows ONS 15454 SDH software and hardware compatibility for systems configured with XC10G and XC-VXL-10G cards for Releases 3.3, 3.4, 4.0, 4.1, and 4.6. Release 4.5 is not supported on the XC10G and XC-VXL-10G cards.

Hardware	3.30.0x (3.3)	3.40.0x (3.4)	4.0.0x (4.0) 4.1.0x (4.1)	4.6.0x (4.6)
XC-VXL-10G	Not Supported	Not Supported	Fully Compatible	Fully Compatible
XC10G	Fully Compatible	Fully Compatible	Fully Compatible	Fully Compatible
TCC2	Not Supported	Not Supported	Required	Required
AIC-I	Not Supported	Fully Compatible	Fully Compatible	Fully Compatible
E1N-14	Fully Compatible	Fully Compatible	Fully Compatible	Fully Compatible

E1-42	Not Supported	Not Supported	Fully Compatible	Fully Compatible
E3-12	Fully Compatible	Fully Compatible	Fully Compatible	Fully Compatible
DS3i-N-12	Fully Compatible	Fully Compatible	Fully Compatible	Fully Compatible
STM1E-12	Not Supported	Not Supported	Fully Compatible	Fully Compatible
E100T-G	Fully Compatible	Fully Compatible	Fully Compatible	Fully Compatible
E1000-2-G	Fully Compatible	Fully Compatible	Fully Compatible	Fully Compatible
G1000-4	Fully Compatible	Fully Compatible	Fully Compatible	Fully Compatible
G1K-4	Not Supported	Not Supported	Fully Compatible	Fully Compatible
ML100T-12	Not Supported	Not Supported	Fully Compatible	Fully Compatible
ML1000-2	Not Supported	Not Supported	Fully Compatible	Fully Compatible
OC3 IR 4/STM1 SH 1310	Fully Compatible	Fully Compatible	Fully Compatible	Fully Compatible
OC3IR/STM1SH 1310-8	Not Supported	Not Supported	Fully Compatible, Slots 1 to 4, 14 to 17	Fully Compatible, Slots 1 to 4, 14 to 17
OC12 IR/STM4 SH 1310	Fully Compatible	Fully Compatible	Fully Compatible	Fully Compatible
OC12 LR/STM4 LH 1310	Fully Compatible	Fully Compatible	Fully Compatible	Fully Compatible
OC12 LR/STM4 LH 1550	Fully Compatible	Fully Compatible	Fully Compatible	Fully Compatible
OC12 IR/STM4 SH 1310-4	Fully Compatible	Fully Compatible	Fully Compatible	Fully Compatible
OC48 IR/STM16 SH AS 1310	Fully Compatible	Fully Compatible	Fully Compatible	Fully Compatible
OC48 LR/STM16 LH AS 1550	Fully Compatible	Fully Compatible	Fully Compatible	Fully Compatible
OC48 ELR/STM16 EH 100 GHz	Fully Compatible	Fully Compatible	Fully Compatible	Fully Compatible
OC192				

SR/STM64 IO 1310	Not Supported	Not Supported	Fully Compatible	Fully Compatible
OC192 IR/STM64 SH 1550	Not Supported	Not Supported	Fully Compatible	Fully Compatible
OC192 LR/STM64 LH 1550	Fully Compatible	Fully Compatible	Fully Compatible	Fully Compatible
OC192 LR/STM64 LH ITU 15xx.xx	Not Supported	Not Supported	Fully Compatible	Fully Compatible
TXPP_MR_2.5G	Not Supported	Not Supported	Supported	Supported
TXP_MR_2.5G	Not Supported	Not Supported	Supported	Supported
TXP_MR_10G	Not Supported	Not Supported	Fully Compatible	Fully Compatible
TXPP_MR_10G	Not Supported	Not Supported	Not Supported	Not Supported
MXP_2.5G_10G	Not Supported	Not Supported	Fully Compatible	Fully Compatible
FC_MR-4	Not Supported	Not Supported	Not Supported	Fully Compatible

JRE Compatibility

The following table shows ONS15454 SDH Software compatibility with various JRE versions.

ONS Software Release	JRE 1.2.2 Compatible	JRE 1.3 Compatible	JRE 1.4 Compatible
ONS 15454 SDH Release 3.3	Yes	Yes	No
ONS 15454 SDH Release 3.4	No	Yes	No
ONS 15454 SDH Release 4.0 1	No	Yes	No
ONS 15454 SDH Release 4.1	No	Yes	No

ONS 15454 SDH Release 4.5	No	Yes	No
ONS 15454 SDH Release 4.6	No	Yes	Yes

ONS 15454 SDH CTM/NE Software Compatibility

The following table shows ONS15454 SDH software compatibility with CTM.

NE Software Version	CTM Software Version
R3.30.0x(3.3)	CTM R3.1,3.2
R3.40.0x(3.4)	CTM R3.2,4.0,4.1,4.6
R4.0.0x (4.0)	CTM R4.0,4.1,4.6, 4.7
R4.1.0x(4.1)	CTM R4.1,4.6, 4.7
R4.6.0x(4.6)	CTM R4.6, 4.7

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Related Information

- [Technical Support - Cisco Systems](#)
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