

CRS-1 Software / Firmware & Hardware Compatibility Matrix

The ROMMON version(s) listed in this document is/are the version of ROMMON that is most heavily tested with a particular release. Older ROMMON versions may work but may also experience problems, and new ROMMON versions may not have been heavily tested in conjunction with this IOS-XR release. Cisco strongly recommends you use the recommended ROMMON version. If there are any questions about support for a particular ROMMON version, please contact your support representative.

IOS-XR Version	Minimum Recommend ROMMON Version
IOS-XR 3.5 Series	
3.5.0	1.45
IOS-XR 3.4 Series	
3.4.2	1.45
3.4.1	1.45
3.4.0	1.45
IOS-XR 3.3 Series	
3.3.4	1.45
3.3.3	1.45
3.3.2	1.45
3.3.1	1.45
3.3.0	1.45
IOS-XR 3.2 Series	
3.2.6	1.45
3.2.4	1.45
3.2.3	1.45
3.2.2	1.45
3.2.1	1.45
3.2.0	1.45

*** Caution: Downgrade below the minimum ROMMON version for a given card may render the card inoperable, and will regress some fixes and enhancements. If ROMMON A is downgraded below the minimum version, field reprogramming will not be possible. CISCO recommends not downgrading below the minimum ROMMON versions listed below.**

Card Type	Board Version	Description	Min. ROMMON Ver.	Min. IOS-XR Ver.
CRS-16		CRS-1 Series 16 Slot Chassis		
- CRS-16-RP	All	CRS-16 Route Processor	1.32 *Note 2	3.2.0 *Note 1
- CRS-16-RP-B	All	CRS-16 Route Processor version B	1.40	3.3.0
- CRS-16-FC/M	lower than 800-18561-05 rev B0	CRS-16 Multi-Chassis Fabric Card (S13)	1.38	3.3.1
- CRS-16-FC/M	800-18561-05 rev B0 or higher	CRS-16 Multi-Chassis Fabric Card (S13)	1.40	3.3.1
- CRS-16-FC/S	lower than 800-18560-08 rev B0	CRS-16 Fabric Card (S123)	1.32 *Note 2	3.2.0 *Note 1
- CRS-16-FC/S	800-18560-08 rev B0 or higher	CRS-16 Fabric Card (S123)	1.40	3.2.0
- CRS-16-LCC-FAN-CT	lower than 800-19837-07 rev D0	CRS-16 Fan Controller	1.32 *Note 2	3.2.0 *Note 1
- CRS-16-LCC-FAN-CT	800-19837-07 rev D0 or higher	CRS-16 Fan Controller	1.40	3.2.0
- CRS-16-ALARM	lower than 800-19835-04 rev C0	CRS-16/FC Alarm Board	1.32 *Note 2	3.2.0 *Note 1
- CRS-16-ALARM	800-19835-04 rev C0 or higher	CRS-16/FC Alarm Board	1.40	3.2.0
CRS-8		CRS-1 Series 8 Slot Chassis		

- CRS-8-RP	All	CRS-8 Router Processor	1.32 *Note 2	3.2.0 *Note 1
- CRS-8-FC/S	lower than 800-23168-05 rev C0	CRS-8 Fabric Card (S123)	1.32 *Note 2	3.2.0 *Note 1
- CRS-8-FC/S	800-23168-05 rev C0 or higher	CRS-8 Fabric Card (S123)	1.40	3.2.0
CRS-4		CRS-1 Series 4 Slot Chassis		
- CRS-4-RP	All	CRS-4 Route Processor	1.42	3.4.0
- CRS-4-FC	All	CRS-4 Fabric Card	1.42	3.4.0
CRS-FCC		CRS-1 Series Fabric Chassis		
- CRS-FCC-SC-GE	All	CRS-FC Shelf Controller	1.38	3.3.1
- CRS-FCC-SC-GE22	All	CRS-FC Shelf Controller with Integrated Switch	1.43	3.4.1
- CRS-FCC-SFC	lower than 800-18562-09 rev D0	CRS-FC Fabric Card (S2)	1.38	3.3.1
- CRS-FCC-SFC	800-18562-09 rev D0 or higher	CRS-FC Fabric Card (S2)	1.40	3.3.1
- CRS-FCC-LED	lower than 800-19804-02 rev B0	CRS-1 Fabric Card Chassis Fiber Module LED	1.38	3.3.1
- CRS-FCC-LED	800-19804-02 rev B0 or higher	CRS-1 Fabric Card Chassis Fiber Module LED	1.40	3.3.1
MSC & DRP		CRS-1 Series Modular Service Card & Distributed RP		
- CRS-MSC	lower than 800-25021-08 rev A0	CRS-1 Modular Services Card	1.32 *Note 2	3.2.0 *Note 1
- CRS-MSC	800-25021-08 rev A0 or higher	CRS-1 Modular Services Card	1.40	3.2.0
- CRS-DRP-CPU	lower than 800-19841-06 rev C0	CRS-1 Series Distributed Route Processor	1.32 *Note 2	3.2.0 *Note 1
- CRS-DRP-CPU	800-19841-06 rev C0 or higher	CRS-1 Series Distributed Route Processor	1.40	3.3.0
- CRS-DRP-B-CPU	All	CRS-1 Series Distributed Route Processor revision B	1.42	3.3.3 / 3.4.1
SIP & SPA		CRS-1 Series SIP & SPA		
- CRS1-SIP-800	All	CRS SPA Interface Processor Card	N/A	3.2.0
- SPA-4XOC3-POS	N/A	4-port OC3/STM1 POS Shared Port Adapters	N/A	3.2.0
- SPA-8XOC12-POS	N/A	8-port OC12/STM4 POS Shared Port Adapters	N/A	3.3.0
- SPA-2XOC48POS/RPR	N/A	2-port OC48/STM16 POS/RPR Shared Port Adapters	N/A	3.4.0
- SPA-4XOC48POS/RPR	N/A	4-port OC48/STM16 POS/RPR Shared Port Adapters	N/A	3.4.0
- SPA-OC192POS-XFP	N/A	1-port OC192/STM64 POS/RPR XFP Optics	N/A	3.2.0
- SPA-5X1GE-V2	N/A	5-Port Gigabit Ethernet Shared Port Adapter	N/A	3.4.0
- SPA-8X1GE	N/A	8-port Gigabit Ethernet Shared Port Adapter	N/A	3.2.0
- SPA-8X1GE-V2	N/A	8-Port Gigabit Ethernet Shared Port Adapter	N/A	3.4.0
- SPA-10X1GE-V2	N/A	10-Port Gigabit Ethernet Shared Port Adapter	N/A	3.4.0
- SPA-1X10GE-L-V2	N/A	1-Port 10GE LAN-PHY Shared Port Adapter	N/A	3.4.0
PLIM		CRS-1 Series Physical Interface Module		
- 16OC48-POS/DPT	N/A	16xOC48/STM16 POS/DPT Interface Module	N/A	3.2.0 *Note 1
- 4OC192-POS/DPT-LR	N/A	4xOC192/STM64 POS/DPT Interface Module/LR	N/A	3.2.0 *Note 1
- 4OC192-POS/DPT-IR	N/A	4xOC192/STM64 POS/DPT Interface Module/IR	N/A	3.2.0 *Note 1
- 4OC192-POS/DPT-SR	N/A	4xOC192/STM64 POS/DPT Interface Module/SR	N/A	3.2.0 *Note 1
- 4OC192-POS/DPT-VS	N/A	4xOC192/STM64 POS/DPT Interface Module/VSR	N/A	3.2.0 *Note 1
- 1OC768-POS-SR	N/A	1xOC768/STM256 POS Interface Module/SR	N/A	3.2.0 *Note 1
- 1OC768-ITU/C	N/A	OC768 (C-band) DWDM PLIM	N/A	3.3.0
- 4-10GE-ITU/C	N/A	4-Port 10GE (C-band) DWDM PLIM	N/A	3.3.0
- 8-10GBE	N/A	Series 8x10GbE Interface Module	N/A	3.2.0 *Note 1

SFP and XENPAK		CRS-1 Series Optics		
- POM-OC48-LR2-LC-C	N/A	OC-48/STM-16 Pluggable, 1550nm SM-LR2-LC for CRS	N/A	3.2.0 *Note 1
- POM-OC48-SR-LC-C	N/A	OC-48/STM-16 Pluggable, 1310nm SM-SR LC for CRS	N/A	3.2.0 *Note 1
- CRS-XENPAK10GB-LR	N/A	10GBASE-LR XENPAK Module for CRS	N/A	3.2.0 *Note 1
- CRS-XENPAK10GB-ER	N/A	10GBASE-ER XENPAK Module for CRS	N/A	3.2.2 *Note 6

*Note 1 - Listing for IOS-XR 2.0.0, 3.0.0, and 3.0.1 has been dropped from this matrix for clarity sake.

*Note 2 - Listing ROMMON 1.19 and 1.19a has been dropped from this matrix for clarity sake. It is not necessary that you upgrade from 1.19 but recommended. See Note 4.

*Note 3 - Because the above items are removed from this matrix, some of the minimum versions listed will be higher than that of other documentation.

*Note 4 - Downgrading below the Minimum Recommended Version will regress some fixes and enhancements.

*Note 5 - Offline Diagnostic functions from the diag.pie cannot be guaranteed if you use a lower version of ROMMON than recommended for the particular IOS-XR release.

*Note 6 - Supported in 3.2.2 - 3.3.2 via SMU hfr-lc-3.x.x.CSCsg08955 and integrated into 3.3.3 and higher.

SMU can be found at: <http://www.cisco.com/cgi-bin/tablebuild.pl/iosxr-smu>

ROMMON Binaries can be found at: <http://www.cisco.com/cgi-bin/tablebuild.pl/crs1rommon>

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