GSR-XR Software / Firmware Compatibility Matrix

	IOS-XR Version																
EDCS-676246	3.9.0	3.8.2	3.8.1	3.8.0	3.7.1	3.7.0	3.6.1	3.6.0	3.5.4	3.5.3	3.5.2	3.5.1	3.5.0	3.4.3	3.4.2	3.4.1	3.4.0
Engine 3 Asics																	
Radar	08-0424-03	08-0424-03	08-0424-03	08-0424-03	08-0424-03	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
Alpha	08-0437-02	08-0437-02	08-0437-02	08-0437-02	08-0437-02	4.02	2.56	2.56	2.54	2.54	2.54	2.54	2.54	2.51	2.51	2.51	2.50
Conga	>08-0434-01 08-0650-02	>08-0434-01 08-0650-02	>08-0434-01 08-0650-02	>08-0434-01 08-0650-02	>08-0434-01 08-0650-02	4.02	3.53	3.53	3.53	3.53	3.53	3.48	3.48	3.47	3.47	3.47	3.47
Gulf	08-0405-03 08-0405-05	08-0405-03 08-0405-05	08-0405-03 08-0405-05	08-0405-03 08-0405-05	08-0405-03 08-0405-05	8.0	8.0	7.3	7.3	7.3	7.3	6.4	6.4	6.4	6.4	6.4	6.4
Memory	1G	1G	1G	1G	1G												
Flash				> 7													
Engine 3 Line Card																	
ROMMON	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
MBUS Agent RAM	4.5	4.5	4.5	4.4	4.4	4.02	2.56	2.56	2.54	2.54	2.54	2.54	2.54	2.51	2.51	2.51	2.50
MBUS Agent ROM	4.5	4.5	4.5	4.4	4.4	4.02	3.53	3.53	3.53	3.53	3.53	3.48	3.48	3.47	3.47	3.47	3.47
Fabric Downloader	8	8	8.0	8.0	8.0	8.0	8.0	7.3	7.3	7.3	7.3	6.4	6.4	6.4	6.4	6.4	6.4
Engine 5 Asics																	
Piranha	08-0638-02	08-0638-02	08-0638-02	17.1	08-0638-02	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
Wahoo	08-0639-02 08-0770-07	08-0639-02 08-0770-07	08-0639-02 08-0770-07	4.02	08-0639-02 08-0770-07	4.02	2.56	2.56	2.54	2.54	2.54	2.54	2.54	2.51	2.51	2.51	2.50
Stingray	08-0731-01	08-0731-01	08-0731-01	4.02	08-0731-01	4.02	3.53	3.53	3.53	3.53	3.53	3.48	3.48	3.47	3.47	3.47	3.47
Memory	1G 2G	1G 2G	1G 2G	1G 2G	1G 2G												
Engine 5 Line Card																	
ROMMON	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
MBUS Agent RAM	4.5	4.5	4.5	4.4	4.4	4.02	2.56	2.56	2.54	2.54	2.54	2.54	2.54	2.51	2.51	2.51	2.50
MBUS Agent ROM	4.5	4.5	4.5	4.4	4.4	4.02	3.53	3.53	3.53	3.53	3.53	3.48	3.48	3.47	3.47	3.47	3.47
Fabric Downloader	6.1	6.1	6.1	6.1	4.7	4.6	4.6	4.3	4.3	4.3	4.3	3.9	3.9	3.9	3.9	3.9	3.9
X Blade																	
ROMMON	N/A	1.3	1.3	1.3		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
MBUS Agent RAM	N/A	4.4	4.4	4.4	4.4	2.67	2.56	2.56	2.54	2.54	2.54	2.54	2.54	2.51	2.51	2.51	2.50
MBUS Agent ROM	N/A	4.4	4.4	4.4	4.4	4.2	3.53	3.53	3.53	3.53	3.53	3.48	3.48	3.47	3.47	3.47	3.47
Fabric Downloader	N/A	3.2	3.2	3.2		3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.1	1.4	1.4	1.4	1.4
TREX FPGA	N/A	fpga2 162.41	fpga2 162.41	fpga2 162.41													
TREX FPGA (proto legacy)	N/A	fpga (0.41257)	fpga (0.41257)	fpga (0.41257)													
Memory	N/A	2G	2G	1G/2G													
Xena FPGA	N/A	0xb03b	0xb03b	0xb03b													
Gabriel FPGA	N/A	0x3	0x3	0x3													
IXP 2800 Network Proc SW	supported since 3.9			--------													
PRP2 Firmware																	
ROMMON	1.23	1.23	1.23	1.20	1.20	1.2	1.2	1.2	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14
MBUS Agent RAM	4.5	4.5	4.5	4.4	4.4	4.02	2.56	2.54	2.54	2.54	2.54	2.54	2.54	2.51	2.51	2.51	2.50
MBUS Agent ROM	4.5	4.5	4.5	4.4	4.4	4.02	3.53	3.53	3.53	3.53	3.53	3.48	3.48	3.47	3.47	3.47	3.47
IOX Release	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Memory	2G	2G	2G	2G		1G	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G
PRP3 Firmware																	
ROMMON	1.4.0	1.4.0	1.4.0	1.2.0	Not Supported	-											
MBUS Agent RAM	4.5	4.5	4.5	4.4	Not Supported	-											
MBUS Agent ROM	4.5	4.5	4.5	4.4	Not Supported	-											
IOX Release	Yes	Yes	Yes	Yes	Not Supported	No	No	No	No	No	No	No	No	No	No	No	No
Boot Strap Loader DT	1.4.0	1.4.0	1.4.0	0.13	Not Supported												
IO FPGA	1.09			1.06	Not Supported												
Memory	4G (8G option)	4G (8G option)	4G (8G option)	4G (8G option)	Not Supported												
POS/RPR SPAs																	
- SPA-4XOC3-POS-V2	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0	1.0	1.0						
- SPA-8XOC3-POS	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0	1.0	1.0						
- SPA-2XOC12-POS	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0	1.0	1.0						
- SPA-4XOC12-POS	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0	1.0	1.0						
- SPA-8XOC12-POS	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0	1.0	1.0						
- SPA-1XOC48POS/RPR	1.2	1.2	1.2	1.2		1.2	1.2	1.2	1.2	1.2	1.2						
- SPA-2XOC48POS/RPR	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
- SPA-OC192POS-VSR	1.2	1.2	1.2	1.2		1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.0
- SPA-OC192POS-LR	1.2	1.2	1.2	1.2		1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
- SPA-OC192POS-XFP	1.2	1.2	1.2	1.2		1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Ethernet SPAs																	
- SPA-8XFE-TX	1.1	1.1	1.1	1.1		1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
- SPA-8X1FE-TX-V2	1.1	1.1	1.1	1.1		1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
- SPA-2X1GE-V2	1.1	1.1	1.1	1.1		1.1	1.1	1.1	1.1	1.1	1.1	0.6	0.6	0.6	0.6	0.6	
- SPA-5X1GE	1.1	1.1	1.1	1.1		1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
- SPA-5X1GE-V2	1.10	1.10	1.10	1.1		1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
- SPA-8X1GE-V2	1.10	1.10	1.10	1.1		1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
- SPA-10X1GE	1.1	1.1	1.1	1.1		1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
- SPA-10X1GE-V2	1.10	1.10	1.10	1.1		1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
- SPA-1XTENGE-XFP	1.9	1.9	1.9	1.9		1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
- SPA-1X10GE-L-V2	1.9	1.9	1.9	1.9		1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Serial/Channelized SPAs																	
- SPA-8XCHT1/E1																	
fpga	2.08	2.08	2.8	2.8		2.8	2.7	2.7									
rommon	2.12	2.12	2.12	2.12		2.12	2.12	2.12									
- SPA-2XT3/E3																	
fpga	1.01	1.01	1.01	1.1		1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
rommon	2.12	2.12	2.12	2.12		2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12
fpga2	1.04	1.04	1.04	1.4		1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
fpga3	1.04	1.04	1.04	1.4		1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
- SPA-4XT3/E3																	
fpga	1.01	1.01	1.01	1.1		1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
rommon	2.12	2.12	2.12	2.12		2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12
fpga2	1.04	1.04	1.04	1.4		1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
fpga3	1.04	1.04	1.04	1.4		1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
- SPA-2XCT3/DS0																	
fpga	2.08	2.08	2.08	2.8		2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.4	2.4	2.4	2.4
rommon	2.12	2.12	2.12	2.12		2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12
fpga2	1.04	1.04	1.04	1.4		1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
- SPA-4XCT3/DS0																	
fpga	2.08	2.08	2.08	2.8		2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.4	2.4	2.4	2.4
rommon	2.12	2.12	2.12	2.12		2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12
fpga2	1.04	1.04	1.04	1.4		1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
- SPA-1XCHSTM1/OC3																	
fpga	1.8	1.8	1.8	1.8		1.8	1.7	1.7	1.7	1.7	1.7						
rommon	2.12	2.12	2.12	2.12		2.12	2.12	2.12	2.12	2.12	2.12						
fpga2	1.04	1.04	1.04	1.4		1.4	1.4	1.4	1.4	1.4	1.4						
Fab Version				>4													
- SPA-1XCHOC12/DS0																	
fpga	1.07	1.07	1.07	1.07		1.7	1.7	1.0	1.0	1.0	1.0						
rommon	2.02	2.02	2.02	2.02		2.2	2.2	2.2	2.2	2.2	2.2						
fpga2	1.00	1.00	1.00	1.00		1.0	1.0	1.0	1.0	1.0	1.0						
- SPA-1XCHOC48/DS3																	
fpga	1.07	1.07	1.07	1.07		1.7	1.7	1.7									
rommon	2.02	2.02	2.02	2.02		2.2	2.2	2.2									
fpga2	1.00	1.00	1.00	1.00		1.0	1.0	1.0									
fpga3	1.00	1.00	1.00	1.00		1.0	1.0	0.848									
ATM SPAs																	
- SPA-1XOC3-ATM-V2	1.4	1.3	1.3	1.0		1.0											
- SPA-3XOC3-ATM-V2	1.4	1.3	1.3	1.0		1.0											
- SPA-1XOC12-ATM-V2	1.4	1.3	1.3	1.0		1.0											
- SPA-2CHT3-CE-ATM																	
fpga	2.22	2.22	2.22	2.22		2.22											
rommon	1.4	1.4	1.4	1.4		1.4											
fpga2	1.10	1.10	1.10	1.10		1.10											
Eng3 ATM Line Cards																	
- E3-OC12-ATM-4																	
fpga		40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0
fpga2		40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0
fpga3		41091.0	41091.0	41091.0	41091.0	41091.0	41090.0	41090.0	41091.0	41090.0	41090.0	41090.0	41090.0	41090.0	41090.0	41090.0	41090.0
fpga4		45586.0	45586.0	45586.0	45585.0	45585.0	45584.0	45584.0	45583.0	45583.0	45583.0	45583.0	45583.0	45581.0	45581.0	45581.0	45581.0
fpga5		N/A	N/A	N/A	N/A	N/A	45584.0	45584.0	45583.0	45583.0	45583.0	45583.0	45583.0	45581.0	45581.0	45581.0	45581.0
- E3-OC3-ATM-4																	
fpga		40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0
fpga2		40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0
fpga3		41091.0	41091.0	41091.0	41091.0	41091.0	41090.0	41090.0	41091.0	41090.0	41090.0	41090.0	41090.0	41090.0	41090.0	41090.0	41090.0
fpga4		45586.0	45586.0	45586.0	45585.0	45585.0	45584.0	45584.0	45583.0	45583.0	45583.0	45583.0	45583.0	45581.0	45581.0	45581.0	45581.0
fpga5		N/A	N/A	N/A	N/A	N/A	45584.0	45584.0	45583.0	45583.0	45583.0	45583.0	45583.0	45581.0	45581.0	45581.0	45581.0
Supported Disks																	
STI Flash				8.0.0													
Sandisk SDP3B				1024													
Sandisk VDI - Industrial				1.24													
Sandisk HDC - Industrial				1.23													
Boothelper																	
Image				c12kprp-boot-mz.120-32.SY5													
XFP/SFP																	
Cisco																	
Service SPAs																	
- SPA-IPSEC-2G-2	Not supported	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22
rommon	Not supported	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
fpga2	Not supported	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

Legend:

'Value' or X	Item is support under for that Release of IOS-XR.
'Value'	The item's recommended firmware version for that Release of IOS-XR.
X	The item does not have FPGA firmware.
'Blank' =	Item not support for that Release of IOS-XR.
N/A =	Data not available.

*Note: With SMU Installed and Activated.
**Note: User must download the ROMMON Binaries from CCO.

Usage Guide: It is recommended to upgrade the firmware to at least the version listed for that release of IOS-XR.