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Tech Notes

ICS 7750 MRP Software and Hardware Feature and IOS Version Compatibility

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Introduction

This document describes Cisco Integrated Communications System 7750 (ICS 7750) Multiservice Route Processor (MRP) software and hardware feature compatibility with Cisco IOS® software releases. MRP is supported in BU Special IOS releases. There are no plans to support the product in the T train.

Prerequisites

Requirements

Readers of this document should be knowledgeable of the following:

- ICS 7750 MRP software and hardware features
- Cisco IOS software releases

Components Used

This document is not restricted to specific software and hardware versions.

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Conventions

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

Compatibility Matrices

The tables in this section describe ICS 7750 MRP software and hardware feature compatibility with Cisco IOS software releases.

Software Matrices

The following table describes ICS 7750 MRP software feature compatibility with Cisco IOS business unit (BU) special releases:

ICS 7750 MRP Software Feature	BU Special IOS Release								
	12.2 (4) YH	12.2 (8) YL	12.2 (8) YM	12.2 (8) YN	12.2 (11) YU	12.2 (11) YV	12.2 (13) ZH	12.2 (15) ZL	12.3 (2) XA
H.323 Voice (Analog, CAS, PRI, BRI)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MGCP for Analog Ports (FXS, FXO)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MGCP for T1/E1 (CAS, PRI Backhaul)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
H.323 Fax Relay (Cisco and T.38)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
H.323 Fax Passthrough	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MGCP Fax Relay (Cisco) and Passthrough	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
H.323 Modem Passthrough	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MGCP Modem Passthrough	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MGCP support for CallManager (IP-PBX)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
VLAN Support on MRP3	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Gateway Resource Availability Reporting (RAI)	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Two T1 of voice (48 DS0s) support on MRP300	—	—	—	Yes	Yes	Yes	Yes	Yes	Yes
Enhanced ITU-T G.168 Echo Cancellation	—	—	—	Yes	Yes	Yes	Yes	Yes	Yes
Multichannel support up to 8 channel-groups	—	—	—	Yes	Yes	Yes	Yes	Yes	Yes
QSIG (H.323 and MGCP)	—	—	—	—	—	—	Yes	Yes	Yes
Localization and Internationalization (CallManager/MGCP)	—	—	—	—	—	—	—	Yes	Yes
E1 R2 (under H.323)	—	—	—	—	—	—	—	Yes	Yes
Survivable Remote Site Telephony (SRST)	—	—	—	—	—	—	—	Yes ¹	Yes ¹
MGCP Gateway Fallback	—	—	—	—	—	—	—	Yes	Yes
Feature Group D (FGD, under H.323)	—	—	—	—	—	—	—	Yes	Yes
ISDN BRI Backhaul to the Cisco CallManager	—	—	—	—	—	—	—	—	Yes
Data and Voice QoS	—	—	—	—	—	—	—	—	Yes

1. Requires at least 96MB of DRAM memory on the MRP.

Hardware Matrices

The following table describes ICS 7750 MRP hardware feature compatibility with Cisco IOS business unit (BU) special releases:

ICS 7750 MRP Hardware Feature	BU Special IOS Release								
	12.2 (4) YH	12.2 (8) YL	12.2 (8) YM	12.2 (8) YN	12.2 (11) YU	12.2 (11) YV	12.2 (13) ZH	12.2 (15) ZL	12.3 (2) XA
MRP200, ASI81, ASI160 ¹	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MRP300,									

MRP3-8FXS, MRP3-16FXS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MRP3-8FXO-M1	—	—	—	Yes	Yes	Yes	Yes	Yes	Yes
VIC-2FXS, VIC-2FXO, VIC-2E&M, VIC-2BRI-NT/TE	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
VIC-2FXO-M1/2/3, VIC-2DID	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
VIC-4FXS, VIC-4FXO	—	—	—	Yes	Yes	Yes	Yes	Yes	Yes
VIC2-4FXO, VIC2-2BRI, VIC2-2E&M	—	—	—	—	—	—	—	Yes	Yes

1. MRP200, ASI81, and ASI160 do not have flash memory.


NetPro Discussion Forums - Featured Conversations

Networking Professionals Connection is a forum for networking professionals to share questions, suggestions, and information about networking solutions, products, and technologies. The featured links are some of the most recent conversations available in this technology.

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Voice & Video: Voice over IP

Cisco Router 2610, VIC-2FXS= - Jun 21, 2004
Cant applied service-policy to ATM int for video QoS. - Jun 18, 2004
MGCP doesnt recover after link failure - Jun 18, 2004
Problem getting Dial tone from Cisco uBR900 - Jun 18, 2004
H323 proxy for video calls - Jun 18, 2004
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Related Information

- [Voice Technology Support](#)
- [Voice and IP Communications Product Support](#)
- [Voice, Telephony and Messaging TAC eLearning Solutions](#)
- Recommended Reading: [Troubleshooting Cisco IP Telephony](#) 
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