

## Cisco 7000 Series Port Adapter Platform and Cisco IOS Software Release Support Matrix

Updated: March 15, 2006

The Cisco® 7206VXR NPE-G2 Network Processing Engine was introduced in Cisco IOS® Software Release 12.4(11)T and 12.2(31)SB. Table 1 lists the Cisco 7000 family port adapters and the corresponding Cisco IOS Software Release where they are supported.

**Table 1.** Cisco 7000 Family Port Adapter Platform and Cisco IOS® Software Release Support Matrix

Part Number	Type	Cisco IOS Software Release 12.1E	Cisco IOS Software Release 12.0S	Cisco IOS Software Release 12.2	Cisco IOS Software Release 12.3	Cisco IOS Software Release 12.4	Cisco IOS Software Release 12.4T	Cisco IOS Software Release 12.2S	Cisco IOS Software Release 12.2SB
PA-2E3	Clear Channel	Cisco 7200, 7500, and 7600	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200 NPE-G2 and Cisco 7301	Cisco 7200, 7301, 7304, and 7500	Cisco 7200 NPE-G2 and Cisco 7301, 7304, and 7500
PA-2FE-FX	Fast Ethernet	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200 NPE-G2 and Cisco 7301	Cisco 7200, 7301, 7304, 7500, and 7600	Cisco 7200 NPE-G2 and Cisco 7301, 7304, and 7500
PA-2FE-TX	Fast Ethernet	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200 NPE-G2 and Cisco 7301	Cisco 7200, 7301, 7304, 7500, and 7600	Cisco 7200 NPE-G2 and Cisco 7301, 7304, and 7500
PA-2H	High-Speed Serial Interface (HSSI)	Cisco 7200, 7500, and 7600	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200 NPE-G2 and Cisco 7301	Cisco 7200, 7301, 7304, and 7500	Cisco 7200 NPE-G2 and Cisco 7301, 7304, and 7500

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PA-2T3+	Clear Channel	Cisco 7200, 7500, and 7600	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200 NPE-G2 and Cisco 7301	Cisco 7200, 7301, 7304, and 7500	Cisco 7200 NPE-G2 and Cisco 7301, 7304, and 7500
PA-4B-U (end of sale 4/14/07)	Serial	Cisco 7200		Cisco 7200 and 7301	Cisco 7200 and 7301	Cisco 7200 and 7301	Cisco 7200 and 7301	Cisco 7200 and 7301	Cisco 7200, 7301, and 7500
PA-4C-E (end of sale 6/1/06)	IBM Channel Attach			Cisco 7200	Cisco 7200	Cisco 7200	Cisco 7200		
PA-4E	Ethernet	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200 NPE-G2 and Cisco 7301	Cisco 7304	Cisco 7200 NPE-G2 and Cisco 7301 and 7304
PA-4E1G/120	Serial	Cisco 7200 and 7500		Cisco 7200, 7301, and 7500	Cisco 7200 and 7301	Cisco 7200 and 7301	Cisco 7200 NPE-G2 and Cisco 7301	Cisco 7200 and 7304	Cisco 7200 NPE-G2 and Cisco 7301, 7304, and 7500
PA-4E1G/75	Serial	Cisco 7200 and 7500		Cisco 7200, 7301, and 7500	Cisco 7200 and 7301	Cisco 7200 and 7301	Cisco 7200 NPE-G2 and Cisco 7301	Cisco 7304	Cisco 7200 NPE-G2 and Cisco 7301, 7304, and 7500
PA-4R-DTR	Token Ring			Cisco 7200	Cisco 7200	Cisco 7200	Cisco 7200		

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PA-4T+	Serial	Cisco 7200, 7500, and 7600	Cisco 7200 and 7500	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200 NPE-G2 and Cisco 7301	Cisco 7200, 7301, and 7500	Cisco 7200 NPE-G2 and Cisco 7301
PA-8B-S/T	Serial	Cisco 7200		Cisco 7200 and 7301	Cisco 7200 and 7301	Cisco 7200 and 7301	Cisco 7200 and 7301		Cisco 7200 and 7301
PA-8E	Ethernet	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200 NPE-G2 and Cisco 7301	Cisco 7304	Cisco 7200 NPE-G2 and Cisco 7301 and 7304
PA-8T-232	Serial	Cisco 7200, 7500, and 7600	Cisco 7200 and 7500	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200 NPE-G2 and Cisco 7301	Cisco 7200, 7301, 7304, and 7500	Cisco 7200 NPE-G and Cisco 7301 and 7500
PA-8T-V35	Serial	Cisco 7200, 7500, and 7600	Cisco 7200 and 7500	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200 NPE-G2 and Cisco 7301	Cisco 7200, 7301, 7304, and 7500	Cisco 7200 NPE-G2 and Cisco 7301 and 7500
PA-8T-X21	Serial	Cisco 7200, 7500, and 7600	Cisco 7200 and 7500	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200 NPE-G2 and Cisco 7301	Cisco 7200, 7301, 7304, and 7500	Cisco 7200 NPE-G2 and Cisco 7301 and 7500
PA-A3-8E1IMA	ATM inverse multiplexer	Cisco 7200, 7500, and 7600	Cisco 7200 and 7500	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200 NPE-G and Cisco 7301	Cisco 7200, 7301, 7304, and 7500	Cisco 7200 NPE-G2 and Cisco 7301, 7304, and 7500
PA-A3-8T1IMA	ATM inverse multiplexer	Cisco 7200, 7500, and 7600	Cisco 7200 and 7500	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200 and Cisco 7301	Cisco 7200, 7301, 7304, and 7500	Cisco 7200 NPE-G2 and Cisco 7301, 7304, and 7500

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PA-A3-E3 (end of sale 12/06)	ATM	Cisco 7200, 7500, and 7600	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200	Cisco 7200, 7301, 7304, and 7500	Cisco 7200, 7301, and 7304
PA-A3-OC3MM (end of sale 12/06)	ATM	Cisco 7200, 7500, and 7600	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200	Cisco 7200, 7301, 7304, and 7500	Cisco 7200, 7301, and 7304
PA-A3-OC3SMI (end of sale 12/06)	ATM	Cisco 7200, 7500, and 7600	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200	Cisco 7200, 7301, 7304, and 7500	Cisco 7200, 7301, and 7304
PA-A3-OC3SML (end of sale 12/06)	ATM	Cisco 7200, 7500, and 7600	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200	Cisco 7200, 7301, 7304, and 7500	Cisco 7200, 7301, and 7304
PA-A3-T3 (end of sale 12/06)	ATM	Cisco 7200, 7500, and 7600	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 720 and 7500	Cisco 7200	Cisco 7200, 7301, 7304, and 7500	Cisco 7200, 7301, and 7304

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PA-A6-E3	ATM		Cisco 7200 (12.0(32)S) Cisco 7500 (12.0(32)S)		Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200 NPE-G2 and Cisco 7301		Cisco 7200 NPE-G2 and Cisco 7301, 7304, and 7500
PA-A6-OC3 MM/SML/SMI	ATM		Cisco 7200 (12.0(32)S) Cisco 7500 (12.0(32)S)		Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200 NPE-G2 and Cisco 7301		Cisco 7200 NPE-G2 and Cisco 7301, 7304, and 7500
PA-A6-T3	ATM		Cisco 7200 (12.0(32)S) Cisco 7500 (12.0(32)S)		Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200 and Cisco NPE-G2 7301		Cisco 7200 NPE-G2 and Cisco 7301, 7304, and 7500
PA-E3	Clear Channel	Cisco 7200, 7500, and 7600	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200 NPE-G2 and Cisco 7301	Cisco 7200, 7301, 7304, and 7500	Cisco 7200 NPE-G2 and Cisco 7301, 7304, and 7500
PA-GE	Gigabit Ethernet	Cisco 7200	Cisco 7200	Cisco 7200	Cisco 7200 and 7301	Cisco 7200 and 7301	Cisco 7200 NPE-G2	Cisco 7200, 7301, and 7304	Cisco 7200 NPE-G2 and Cisco 7301, 7304, and 7500
PA-H	HSSI	Cisco 7200, 7500, and 7600	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200 NPE-G2 and Cisco 7301	Cisco 7200, 7301, 7304, and 7500	Cisco 7200 NPE-G2 and Cisco 7301, 7304, and 7500
PA-MC-2E1/120	Multichannel and Clear Channel	Cisco 7200, 7500, and 7600	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200 NPE-G2 and Cisco 7301	Cisco 7200, 7301, 7304, and 7500	Cisco 7200 NPE-G2 and Cisco 7301, 7304, and 7500

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PA-MC-2T1	Multichannel and Clear Channel	Cisco 7200, 7500, and 7600	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200 NPE-G2 and Cisco 7301	Cisco 7200, 7301, 7304, and 7500	Cisco 7200 NPE-G2 and Cisco 7301, 7304, and 7500
PA-MC-2T3+ (end of sale 12/31/07)	Multichannel and Clear Channel	Cisco 7200, 7500, and 7600	Cisco 7200 and 7500	Cisco 7200** and 7500**	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200 NPE-G2 and Cisco 7301	Cisco 7200, 7301, 7304, and 7500	Cisco 7200 NPE-G2 and Cisco 7301 and 7304
PA-MC-4T1	Multichannel and Clear Channel	Cisco 7200, 7500, and 7600	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200 NPE-G2 and Cisco 7301	Cisco 7200, 7301, 7304, and 7500	Cisco 7200 NPE-G2 and Cisco 7301
PA-MC-8TE1+	Multichannel and Clear Channel	Cisco 7200, 7500, and 7600	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200 NPE-G2 and Cisco 7301	Cisco 7200, 7301, 7304, and 7500	Cisco 7200 NPE-G2 and Cisco 7301 and 7304
PA-MC-E3	Multichannel and Clear Channel	Cisco 7200, 7500, and 7600	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200 NPE-G2 and Cisco 7301	Cisco 7200, 7301, 7304, and 7500	Cisco 7200 NPE-G2 and Cisco 7301 and 7304

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<b>PA-MC-STM-1MM</b>	Multichannel and Clear Channel	Cisco 7200, 7500, and 7600	Cisco 7500	Cisco 7200 and 7500	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200 NPE-G2 and Cisco 7301	Cisco 7200, 7301, 7304, and 7500	Cisco 7200 NPE-G2 and Cisco 7301 and 7304
<b>PA-MC-STM-1SMI</b>	Multichannel and Clear Channel	Cisco 7200, 7500, and 7600	Cisco 7500	Cisco 7200 and 7500	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200 NPE-G2 and Cisco 7301	Cisco 7200, 7301, 7304, and 7500	Cisco 7200 NPE-G2 and Cisco 7301 and 7304
<b>PA-MC-T3 (end of sale 12/31/07)</b>	Multichannel and Clear Channel	Cisco 7200, 7500, and 7600	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200 NPE-G2 and Cisco 7301	Cisco 7200, 7301, 7304, and 7500	Cisco 7200 NPE-G2 and Cisco 7301 and 7304
<b>PA-MCX-2/4/8TE1</b>	Voice and data mixed	Cisco 7200		Cisco 7200	Cisco 7200	Cisco 7200	Cisco 7200		Cisco 7200 NPE-G2
<b>PA-POS-1OC3</b>	Packet over SONET		Cisco 7200 and 7500		Cisco 7200, 7301, and 7500	Cisco 7200 and 7301	Cisco 7200 and 7301	Cisco 7500	Cisco 7200 NPE-G2 and Cisco 7301 and 7304
<b>PA-POS-2OC3</b>	Packet over SONET		Cisco 7200 and 7500		Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200 and 7301	Cisco 7500	Cisco 7200 NPE-G and Cisco 7301 and 7304

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PA-POS-OC3MM (end of sale 7/06)	Packet over SONET	Cisco 7200, 7500, and 7600	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200 and 7301	Cisco 7304 and 7500	Cisco 7200, 7301, and 7304
PA-POS-OC3SMI (end of sale 7/06)	Packet over SONET	Cisco 7200, 7500, and 7600	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200 and 7301	Cisco 7304 and 7500	Cisco 7200, 7301, and 7304
PA-POS-OC3SML (end of sale 7/06)	Packet over SONET	Cisco 7200, 7500, and 7600	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200 and 7301	Cisco 7304 and 7500	Cisco 7200, 7301, and 7304
PA-T3+	Clear Channel	Cisco 7200, 7500, and 7600	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200, 7301, and 7500	Cisco 7200, 7301, and 7500	Cisco 7200 and 7301	Cisco 7200, 7301, 7304, and 7500	Cisco 7200 and 7301
PA-VXA-1TE1-24+	Voice			Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200		
PA-VXA-1TE1-30+	Voice			Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200		



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PA-VXB-2TE1+	Voice			Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200		
PA-VXC-2TE1+	Voice			Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200 and 7500	Cisco 7200		



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