



## Product IDs

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This appendix provides information about the product IDs for components of the Cisco CRS Carrier Routing System 8-Slot Line Card Chassis Enhanced router

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## Product IDs

This appendix provides information about the product IDs for components of the Cisco CRS Carrier Routing System 8-Slot Line Card Chassis Enhanced router. It contains the following tables:

These tables list the components that make up the routing system, their product IDs (the part numbers to use to order the components), and descriptions.



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**Note** See the [Cisco online ordering and pricing tool](#) for the most up-to-date information on the routing system and product IDs (Cisco login required).

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**Note** For a complete list of line cards, route processors, SPAs and SIPs, and interface modules supported in the Cisco CRS 8-slot line card chassis, see [Cisco CRS Data Sheets](#).

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## Chassis Product IDs

[Table 1: 8-Slot Routing System Component Product IDs](#) lists the product IDs for components in the Cisco CRS 8-slot Line Card Chassis Enhanced router.

**Table 1: 8-Slot Routing System Component Product IDs**

Component	Product ID	Description
CRS 8-slot routing system	CRS-8/S-B	Cisco CRS 8-slot routing system

Component	Product ID	Description
CRS 8-slot Line Card Chassis Enhanced router	CRS-8/S-B-LCC(=)	Cisco CRS 8-slot Line Card Chassis Enhanced router (spare chassis)
Fan tray	CRS-8-LCC-FAN-TR(=) CRS-8-FANTRAY-B	Cisco CRS 8-slot fan tray and fans (spare)(2 required for each chassis)
Air filter	CRS-8-LCC-FILTER(=)	Line card chassis enhanced router filter pack (spare)
Inlet grille	CRS-8-FRNT-GRILL(=) CRS-8-PW-GRILL(=)	Line card chassis enhanced router inlet air grille—modular configuration power
Installation kit	CRS-8-INSTALL-KT(=)	Line card chassis enhanced router installation kit(includes a set of horizontal shelf brackets, mounting screws, and other items)
Modular Configuration Power Components		
AC power components, single-phase		
AC power shelf	CRS-8-PSH-AC(=)	Cisco CRS single-phase AC power shelf(two required for each chassis)
AC PM	CRS-PM-AC(=)	Cisco CRS AC PM <sup>1</sup> (up to three required for each power shelf)
DC power components		
DC power shelf	CRS-8-PSH-DC(=)	Cisco CRS DC power shelf (two required for each chassis)
DC PM	CRS-PM-DC(=)	Cisco CRS DC PM(up to four required for each power shelf)
Switch fabric cards		
Switch fabric cards	CRS-8-FC/S(=)CRS-8-FC140/S(=)CRS-8-FC400/S(=)CRS-8-FC400/M(=)	Cisco CRS switch fabric card (half-height)(four required for each chassis)
Switch fabric blank	CRS-8-FC-BLANK(=)	Blank card carrier for each switch fabric slot (used during shipment, must be replaced by a switch fabric card)

Component	Product ID	Description
Switch fabric handle	CRS-8-FC-HANDLE(=)	Handle for carrying card (spare)
Route processor card		
Route processor (RP) <sup>2</sup>	CRS-8-RP(=)	Cisco CRS RP card(one required for each chassis; for redundant operation, you also need CRS-8-RP/R=)
Route processor, redundant	CRS-8-RP/R(=)	Optional route processor for redundant RP operation(one required for each chassis, along with CRS-8-RP=)
Route processor memory	CRS-MEM-2G(=)CRS-MEM-4G(=)	RP memory module, 2 gigabytes RP memory module, 4 gigabytes
Route processor blank	CRS-8-RP-BLANK(=)	Blank card carrier for each route processor slot(used during shipment, must be replaced by a route processor card)
Performance route processor (PRP) <sup>3</sup>	CRS-8-PRP-6G(=) CRS-8-PRP-12G(=)	Cisco CRS performance route processor card
Route processor handle	CRS-8-RP-HANDLE(=)	Handle for carrying card (spare)

<sup>1</sup> PM = power module

<sup>2</sup> RP = route processor

<sup>3</sup> PRP = performance route processor

## Optional MSC, FP, PLIM, SIP, and SPA Product IDs

Table 2: MSC Component Product IDs, on page 4 and Table 3: PLIM Component Product IDs, on page 4 list the product IDs for the modular services cards (MSCs) and physical layer interface modules (PLIMs) available for the Cisco CRS 8-slot Line Card Chassis Enhanced router.



**Note** For a complete list of PLIM product IDs, see the [Cisco CRS Carrier Routing System Ethernet Physical Layer Interface Module Installation Note](#) . For a complete list of SIP and SPA product IDs, see the [http://www.cisco.com/c/en/us/td/docs/interfaces\\_modules/shared\\_port\\_adapters/install\\_upgrade/crs/crs1/installation/guide/spahw.html](http://www.cisco.com/c/en/us/td/docs/interfaces_modules/shared_port_adapters/install_upgrade/crs/crs1/installation/guide/spahw.html) Cisco CRS SIP and SPA Hardware Installation Guide .

Table 2: MSC Component Product IDs

Component	Product ID	Description
MSC <sup>4</sup>	CRS-MSC-B(=),CRS-MSC-140G(=)CRS-MSC-X CRS-MSC-X-L	Cisco CRS Layer 3 modular service card (every MSC must have an associated PLIM)
FP card	CRS-FP40CRS-FP140CRS-FP-X (400G)CRS-FP-X-L (400G)	Cisco CRS Layer 3 forwarding processor(every FP must have an associated PLIM)
LSP	CRS-LSPCRS-LSP-X	Cisco CRS Series Label Switch Processor 140Gbps (CRS-LSP) or 400Gbps (CRS-LSP-X)
MSC impedance carrier	CRS-MSC-IMPEDANCE(=)	Blank card carrier for each empty MSC slot (required for EMI compliance and cooling)

<sup>4</sup> Refer to the product data sheet for ordering details.

Table 3: PLIM Component Product IDs

Component	Product ID	Description
1xOC-768 PLIM	1OC768-POS-SR(=)	1-port OC-768c/STM-256c PLIM, with short-reach optics (POS)
4xOC-192 PLIM	4OC192-POS/DPT-LR(=)	4-port OC-192c/STM-64c PLIM, with long-reach optics (POS or DPT)
	4OC192-POS/DPT-IR(=)	4-port OC-192c/STM-64c PLIM, with intermediate-reach optics (POS or DPT)
	4OC192-POS/DPT-SR(=)	4-port OC-192c/STM-64c PLIM, with short-reach optics (POS or DPT)
	4OC192-POS/DPT-VS(=)	4-port OC-192c/STM-64c PLIM, with very-short-reach optics (POS or DPT)
16xOC-48 PLIM	16OC48-POS/DPT(=) POM-OC48-LR2-LC-C(=)POM-OC48-SR-LC-C(=)	OC-48c/STM-16c PLIM, uses small form-factor pluggable (SFP) modules (POS or DPT)  The PLIM uses 1 to 16 single-mode, long- and short-reach optic modules (mixing allowed): <ul style="list-style-type: none"> <li>• Long-reach optics (POM-OC48-LR2-LC-C=)</li> <li>• Short-reach optics (POM-OC48-SR-LC-C=)</li> </ul>

Component	Product ID	Description
8x10-GE XENPAK PLIM	8-10GBE(=) CRS-XENPAK10GB-LR(=)	10-GE PLIM, uses XENPAK optic modules.  The PLIM uses 1 to 8 single-mode, long-reachoptic modules:  Long-reach optics (CRS-XENPAK10GB-LR=)
8x10-GE and 4x10-GE XFP PLIMs	8-10GBE-WL-XFP(=) 4-10GBE-WL-XFP(=)	10-GE PLIM, uses XFP optic modules.  These PLIMs use 1 to 8 (or 1 to 4) single-mode, XFP optic modules.
20x10-GE and 14x10-GE XFP PLIMs	20X10GBE-WL-XFP 14X10GBE-WL-XFP	10-GE PLIM, uses XFP optic modules.  These PLIMs use 1 to 20 (or 1 to 14) single-mode, XFP optic modules.
1x100-GE CFP PLIM	1X100GBE(=)	100-GE PLIM, uses one CFP optic module.
PLIM impedance carrier	CRS-INT-IMPEDANCE(=)	Blank card carrier for each empty PLIM slot (required for EMI compliance and cooling)

Table 4: SIP and SPA Component Product IDs

Component	Product ID	Description
Cisco CRS SPA Interface Processor-800	CRS1-SIP-800	Occupies one PLIM slot on the Cisco CRS 16- and 8-Slot LCC enhanced router. Supports six normal-height SPAs or three double-height SPAs or any combination in between.
1-Port OC-192c/ STM- 64 POS/RPR XFP SPA	SPA-OC192POS-XFP	—
4-Port OC-3c/STM-1 POS SPA	SPA-4XOC3-POS	—
8-Port OC-12c/STM-4 Multirate POS SPA	SPA-8XOC12-POS	—
8-Port Gigabit Ethernet SPA	SPA-8X1GE	—

