



Product IDs for the Cisco CRS 8-Slot Line Card Chassis

This appendix provides information about the product IDs for components of the Cisco CRS 8-Slot LCC. 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.



Note

Although this appendix provides product IDs for routing system components, the Cisco online ordering and pricing tool has the most up-to-date information on the routing system and product IDs. You can access the ordering tool at <http://www.cisco.com/cgi-bin/front.x/pricing> (CCO login required), and enter a search term such as “CRS” to view a list of components.

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Cisco CRS 8-Slot Line Card Chassis Component Product IDs

This table lists the product IDs for components in the Cisco CRS 8-slot LCC.

Table 1: 8-Slot Routing System Component Product IDs

Component	Product ID	Description
CRS 8-slot routing system	CRS-8/S	Cisco CRS 8-slot routing system
CRS 8-slot line card chassis	CRS-8-LCC(=)	Cisco CRS 8-slot line card chassis (spare chassis)
Fan tray	CRS-8-LCC-FAN-TR(=)	Cisco CRS 8-slot fan tray and fans (spare)(2 required for each chassis)
Air filter	CRS-8-LCC-FILTER(=)	Line card chassis filter pack (spare)

Component	Product ID	Description
Inlet grille	CRS-8-FRNT-GRILL(=) CRS-8-PW-GRILL(=)	Line card chassis inlet air grille—fixed configuration power Line card chassis inlet air grille—modular configuration power
Installation kit	CRS-8-INSTALL-KT(=)	Line card chassis installation kit(includes a set of horizontal shelf brackets, mounting screws, and other items)
Fixed Configuration Power Components		
Power module filter	CRS-8-PWR-FILTER(=)	Filters (five per pack) for AC rectifier and DC PEM
AC Delta power components		
AC Delta PDU	CRS-8-LCC-PDU-ACD(=)	Cisco CRS AC Delta power distribution unit(two required for each chassis)
AC rectifier module	CRS-8-AC-RECT(=)	Cisco CRS AC rectifier module(two required for each chassis, one for each PDU)
AC Wye power components		
AC Wye PDU	CRS-8-LCC-PDU-ACW(=)	Cisco CRS AC Wye power distribution unit(two required for each chassis)
AC rectifier module	CRS-8-AC-RECT(=)	Cisco CRS AC rectifier module(two required for each chassis, one for each PDU)
DC power components		
DC PDU	CRS-8-LCC-PDU-DC(=)	Cisco CRS DC power distribution unit(two required for each chassis)
DC PEM	CRS-8-DC-PEM(=)	Cisco CRS DC PEM ¹ (two required for each chassis, one for each PDU)
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)

Component	Product ID	Description
AC PM	CRS-PM-AC(=)	Cisco CRS AC PM ² (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 (=) (200G mode)	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)
Switch fabric handle	CRS-8-FC-HANDLE(=)	Handle for carrying card (spare)
Route processor card		
Route processor (RP) ³	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) ⁴	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)

¹ PEM = power entry module

² PM = power module

³ RP = route processor

⁴ PRP = performance route processor

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

The following tables list the product IDs for the modular services cards (MSCs) and physical layer interface modules (PLIMs) available for the Cisco CRS 8-slot LCC.

Table 2: MSC Component Product IDs

Component	Product ID	Description
MSC ⁵ FP card	CRSMSCB(=) CRSMSC-40G(=) CRSMSCX (200G) FP40FP-140CRS-FP-X (200G)	Cisco CRS Layer 3 modular service card (every MSC must have an associated PLIM) Cisco CRS Layer 3 forwarding processor (every FP must have an associated PLIM)
MSC impedance carrier	CRS-MSC-IMPEDANCE(=)	Blank card carrier for each empty MSC slot (required for EMI compliance and cooling)

⁵ Refer to the product data sheet for ordering details.



Note

For a complete list of PLIM product IDs, see the *Cisco CRS Carrier Routing System Ethernet Physical Layer Interface Module Installation Note*.

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)

Component	Product ID	Description
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(=) POMOC48-LR2-LC(=) POMOC48-SR-LC(=)	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"> • Long-reach optics (POM-OC48-LR2-LC-C=) • Short-reach optics (POM-OC48-SR-LC-C=)
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-reach optic 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.

Component	Product ID	Description
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)

**Note**

For a complete list of SIP and SPA product IDs, see the *Cisco CRS SIP and SPA Hardware Installation Guide*.

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. 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 Multi-rate POS SPA	SPA-8XOC12-POS	—
8-Port Gigabit Ethernet SPA	SPA-8X1GE	—