# System Product IDs

This appendix provides information about the PIDs for the Cisco NCS 6008 LCC and its components.

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

**Note** In the following tables, an equals sign (=) at the end of the PID indicates that the component can be ordered as a spare. For those components, be sure to include the equals sign as part of the PID.

**Note** Although this appendix provides PIDs for routing system components, the Cisco online ordering and pricing tool has the most up-to-date information on the routing system and PIDs. You can access the ordering tool at the following URL (Cisco login required), and enter a search term such as "NCS" to view a list of components: https://apps.cisco.com/Commerce/home



# Component Product IDs

***Table 1: Cisco NCS 6008 LCC Component Product IDs***

| Component | Product ID | Description |
|---|---|---|
| 8-slot line card chassis | NCS-6008<br>NCS-6008= (spare) | Cisco NCS 6008 Line Card Chassis |
| 8-slot routing system | NCS-6008-SYS-S | Cisco NCS 6008 LCC system (includes two route processor cards, six fabric cards, two fan trays, and six power trays) |

System Product IDs

| Component | Product ID | Description |
|---|---|---|
| Route processor card | NC6-RP<br>NC6-RP= (spare) | Cisco NCS 6008 RP card |
| Fan tray | NC6-FANTRAY<br>NC6-FANTRAY= (spare) | Cisco NCS 6008 Fan Tray |
| | NC6-FANTRAY-2<br>NC6-FANTRAY-2= (spare) | Cisco NCS 6008 Fan Tray 2 |
| Power bus control module [1] | NC6-PCM<br>NC6-PCM= (spare) | Cisco NCS 6008 PCM |
| AC power tray | NCS-AC-PWRTRAY<br>NCS-AC-PWRTRAY= (spare) | Cisco NCS AC PT |
| AC power module | PWR-3KW-AC-V2<br>PWR-3KW-AC-V2= (spare) | Cisco NCS AC PM |
| Power distribution unit bracket | NCS-PDU-BRKT<br>NCS-PDU-BRKT= (spare) | Cisco NCS PDU bracket |
| Delta power distribution unit | NCS-PDU-DELTA<br>NCS-PDU-DELTA= (spare) | Cisco NCS redundant 3-to-1 Phase Delta PDU |
| Wye power distribution unit | NCS-PDU-WYE<br>NCS-PDU-WYE= (spare) | Cisco NCS redundant 3-to-1 Phase Wye PDU |
| AC power cord [2] | NC6-AC-CAB-NA<br>NC6-AC-CAB-AU<br>NC6-AC-CAB-UK<br>NC6-AC-CAB-EU<br>NC6-AC-CAB-IT | AC power cord—North America<br>AC power cord—Australia<br>AC power cord—United Kingdom<br>AC power cord—Europe<br>AC power cord—Italy |
| DC power tray | NCS-DC-PWRTRAY<br>NCS-DC-PWRTRAY= (spare) | Cisco NCS DC PT |
| DC power module | PWR-2KW-DC-V2<br>PWR-2KW-DC-V2= (spare) | Cisco NCS DC PM |
| 100x10GE patch panel SR | NCS-PP-100X10-S<br>NCS-PP-100X10-SR= (spare) | Cisco NCS 100x10GE patch panel short reach |

1 The PCM can be serviced in the field by Cisco personnel or with proper guidance from Cisco technical support.
2 The length of each power cord is 4.25 m.

# Line Card Product IDs

*Table 2: Cisco NCS 6008 LCC Product IDs*

| Component | Product ID | Description |
|---|---|---|
| 10x100GE MS CPAK | NC6-10X100G-M-K<br>NC6-10X100G-M-K= (spare) | Cisco NCS 6000 Series 10x100GE multi-service CPAK |
| 10x100GE LSR CPAK | NC6-10X100G-L-K<br>NC6-10X100G-L-K= (spare) | Cisco NCS 6000 Series 10x100GE LSR CPAK |
| 10x100GE MS CXP | NC6-10X100G-M-P<br>NC6-10X100G-M-P= (spare) | Cisco NCS 6000 Series 10x100GE multi-service CXP |
| 10x100GE LSR CXP | NC6-10X100G-L-P<br>NC6-10X100G-L-P= (spare) | Cisco NCS 6000 Series 10x100GE LSR CXP |
| 60x10GE LC SFP+ | NC6-60X10GE-L-S<br>NC6-60X10GE-L-S= (spare) | Cisco NCS 6000 Series 60x10GE lean-core SFP+ |
| 60x10GE MS SFP+ | NC6-60X10GE-M-S<br>NC6-60X10GE-M-S= (spare) | Cisco NCS 6000 Series 60x10GE multi-service SFP+ |
| 20x100GE LSR QSPF28 and CPAK | NC6-20X100GE-L-C<br>NC6-20X100GE-L-C= (spare) | Cisco NCS 6000 Series 20x100Gbps LSR QSPF28 and CPAK |
| 20x100GE MC QSPF28 and CPAK | NC6-20X100GE-M-C<br>NC6-20X100GE-M-C= (spare) | Cisco NCS 6000 Series 20x100Gbps multi-service QSPF28 and CPAK |

# Fabric Card Product IDs

*Table 3: Fabric Card Product IDs*

| Component | Product ID | Description |
|---|---|---|
| S123 Fabric Card | NC6-FC<br>NC6-FC= (spare) | NCS 6008 S123 Fabric Card |
| Universal Fabric Card | NC6-FC2-U<br>NC6-FC2-U= (spare) | NCS 6008 Universal Fabric Card |

| Component | Product ID | Description |
|---|---|---|
| MC S13 Fabric Card | NC6-FC-MC<br>NC6-FC-MC= (spare) | NCS 6008 S13 Multi-Chassis Fabric Card |

# Cosmetic Product IDs

*Table 4: Cisco NCS 6008 LCC Cosmetic Product IDs*

| Component | Product ID | Description |
|---|---|---|
| Craft panel display | NCS-CRFT= | Cisco NCS craft panel display kit |
| Front left and right doors | NC6-DOOR-F= | Front left and right doors |
| Front top grille | NC6-GRILLE-FT= | Front top grille |
| Front bottom grille | NC6-GRILLE-FB= | Front bottom grille |
| Rear left and right doors | NC6-DOOR-R= | Rear left and right doors |
| Exhaust air deflector | NC6-GRILLE-R= | Exhaust air deflector, rear of the LCC |

# Accessory Product IDs

*Table 5: Cisco NCS 6008 LCC Accessory Product IDs*

| Component | Product ID | Description |
|---|---|---|
| Drill hole template | NC6-DRILLTEMP= | Cisco NCS 6008 LCC drill hole template (spare) |
| Chassis filter | NC6-5XFILTER= | Cisco NCS 6008 LCC air filter, 5-pack (spare) |
| Vertical cable trough | NC6-TROUGH= | Cisco NCS 6008 vertical cable trough (spare) |
| Chassis lift dolly | NCS-LIFT<br>NCS-LIFT= (spare) | Cisco NCS chassis lift dolly |
| Lift upgrade | NCS-LIFT-BRKT= | Cisco CRS lift upgrade to Cisco NCS chassis (spare) |
| AC/DC PM slot cover | A9K-PEM-V2-FILR | AC/DC PM slot cover |
| Line card slot cover | NC6-LC-BLANK=<br>NC6-LC-BLANK2= | Cover for empty line card slot (spare) |

# Optical Module IDs

*Table 6: Cisco NCS 6000 LCC Optical Module IDs*

| Component | Product ID | Description |
|---|---|---|
| Optical module set | NCS-FAB-OPT | Optical module set that includes 96 CXP-100G-SR12 modules for multi-chassis or back-to-back configurations. |
| | NCS-FAB-OPT2 | Optical module set that includes 96 ONS-CXP2-SR25 modules for multi-chassis or back-to-back configurations. |
| **Note** | **For Multi-Chassis systems**: Two optical modules sets are required for each LCC: one set plugs into the S13 FCs on the LCC, and one set plugs into the S2 FC cards in the FCC.<br>**For Back-to-Back systems**: Two optical modules sets are required: one for each LCC. | |

| Component | Product ID | Description |
|---|---|---|
| CPAK | CPAK-100G-LR4 | The Cisco CPAK 100GBASE-LR4 module supports link lengths of up to 10 km over standard G.652 single-mode fiber with SC connectors. It delivers an aggregate data signal of 100 Gbps, carried over four LAN wavelength-division multiplexing (WDM) wavelengths operating at a nominal 25 Gbps per lane. Optical multiplexing and demultiplexing of the four wavelengths are managed within the module. Nominal power consumption is less than 5.5W. |
| | CPAK-100G-SR10 | The Cisco CPAK 100GBASE-SR10 module delivers 100-Gbps links over 24-fiber ribbon cables terminated with MPO/MTP connectors. It can also be used in 10 x 10-Gb mode along with ribbon-to-duplex-fiber breakout cables for connectivity to ten 10GBASE-SR optical interfaces. It supports link lengths of 100m (150m) on laser-optimized OM3 (OM4) multifiber cables. |
| | CPAK-100G-SR4 | The Cisco 100GBASE-SR4 CPAK module supports link lengths of up to 70m (100m) over OM3 (OM4) Multimode Fiber with MPO connectors. It primarily enables high-bandwidth 100G optical links over 12-fiber parallel fiber terminated with MPO multifiber connectors. CPAK-100GE-SR4 supports 100GBase Ethernet rate. |
| | CPAK-10X10G-LR | The Cisco CPAK 10x10G-LR module is used in 10 x 10-Gb mode along with ribbon-to-duplex SMF breakout cables for connectivity to ten 10GBASE-LR optical interfaces. It supports link lengths up to 10km over standard SMF, G.652. The module delivers 100-Gbps links over 24-fiber ribbon cables terminated with MPO/MTP connectors. |
| | CPAK-10x10G-ERL | The Cisco CPAK 10x10G-ERL module is used in 10 x 10Gb mode along with ribbon-to-duplex SMF breakout cables for connectivity to ten 10GBASE-ER optical interfaces. It supports link lengths up to 25km over standard SMF, G.652. The module delivers 100-Gbps links over 24-fiber ribbon cables terminated with MPO/MTP connectors. |
| | CPAK-100G-ER4L | The primary application of the Cisco CPAK 100GBASE-ER4 Lite module is to support 100-Gbps optical links over standard single-mode fiber (SMF, G.652) terminated with SC connectors. Nominal power consumption is less than 7.5W.<br><br>The ER4 Lite module is compatible with the 100GBASE-ER4 standard and supports link lengths up to about 25 km over standard SMF, G.652. It delivers an aggregate data signal of 100 Gbps, carried over four LAN wavelength-division multiplexing (WDM) wavelengths operating at a nominal 25 Gbps per lane. The module can be used over longer distances in engineered links with CPAK-100G-ER4L modules at both ends. Optical multiplexing and demultiplexing of the four wavelengths are managed within the module. |
| | CPAK-100G-PSM4 | The Cisco CPAK-100G-PSM4 module supports link lengths of up to 500 meters over SMF with MPO connectors. The 100 Gigabit Ethernet signal is carried over 12-fiber parallel fiber terminated with MPO multifiber connectors. |
| CXP | CXP-100G-SR10 | The Cisco 100GBASE-SR10 CXP module supports link lengths up to 100m (<150m) over OM3 (OM4) multimode fiber (MMF) with MPO-24 connector. |

| Component | Product ID | Description |
|---|---|---|
| SFP+ | SFP-10G-SR | The Cisco 10GBASE-SR module supports a link length of 26m on standard Fiber Distributed Data Interface (FDDI)-grade multimode fiber (MMF). Using 2000MHz*km MMF (OM3), up to 300m link lengths are possible. Using 4700MHz*km MMF (OM4), up to 400m link lengths are possible. |
| | SFP-10G-LR | The Cisco 10GBASE-LR module supports a link length of 10 kilometers on standard single-mode fiber (SMF, G.652). |
| | SFP-10G-SR-X | The Cisco SFP-10G-SR-X module is a multirate 10GBASE-SR, 10GBASE-SW and OTU2/OTU2e module for extended operating temperature range. It supports a link length of 26m on standard Fiber Distributed Data Interface (FDDI)-grade multimode fiber (MMF). Using 2000MHz*km MMF (OM3), up to 300m link lengths are possible. Using 4700MHz*km MMF (OM4), up to 400m link lengths are possible. |
| | SFP-10G-LR-X | The Cisco SFP-10G-LR-X module is a multirate 10GBASE-LR, 10GBASE-LW, and OTU2/OTU2e module for extended operating temperature range. It supports a link length of 10 kilometers on standard single-mode fiber (SMF, G.652). |
| | SFP-10G-ER | The Cisco 10GBASE-ER module supports a link length of up to 40 kilometers on standard single-mode fiber (SMF, G.652). |
| | SFP-10G-ZR | The Cisco SFP-10G-ZR module is a multirate 10GBASE-ZR, 10GBASE-ZW, and OTU2/OTU2e module. It supports link lengths of up to about 80 kilometers on standard single-mode fiber (SMF, G.652). This interface is not specified as part of the 10 Gigabit Ethernet standard and is instead built according to Cisco specifications. |

| Component | Product ID | Description |
|---|---|---|
| QSFP | QSFP-100G-SR4-S | The Cisco 100GBASE-SR4-S QSFP module supports link lengths of up to 70m (100m) over OM3 (OM4) Multimode Fiber with MPO connectors. It primarily enables high-bandwidth 100G optical links over 12-fiber parallel fiber terminated with MPO multifiber connectors. QSFP-100G-SR4-S supports 100GBase Ethernet rate. |
| | QSFP-100G-LR4-S | The Cisco 100GBASE-LR4-S QSFP module supports link lengths of up to 10km over a standard pair of G.652 single-mode fiber with duplex LC connectors. The 100 Gigabit Ethernet signal is carried over four wavelengths. Multiplexing and demultiplexing of the four wavelengths are managed within the device. QSFP-100GE-LR4-S supports 100GBase Ethernet rate. |
| | QSFP-100G-CWDM4-S | The Cisco QSFP-100G-CWDM4-S QSFP module supports link lengths of up to 2 km over a standard pair of G.652 single-mode fiber (SMF) with duplex LC connectors. The 100 Gigabit Ethernet signal is carried over four wavelengths. Multiplexing and demultiplexing of the four wavelengths are managed within the device. |
| | QSFP-100G-PSM4-S | The Cisco QSFP-100G-PSM4-S QSFP module supports link lengths of up to 500 meters over SMF with MPO connectors. The 100 Gigabit Ethernet signal is carried over 12-fiber parallel fiber terminated with MPO multifiber connectors. |
| | QSFP-100G-SM-SR | The Cisco QSFP-100G-SM-SR QSFP module supports link lengths of up to 2 kilometers over a standard pair of G.652 Single-Mode Fiber (SMF) with duplex LC connectors. The 100 Gigabit Ethernet signal is carried over four wavelengths. Multiplexing and demultiplexing of the four wavelengths are managed within the device. The operating temperature range is from +10 to +60°C with an optical link budget of 4.2 decibels. This 4.2-decibel link budget offers the ability to support the loss from patch panels in the link in a data center environment. QSFP-100G-SM-SR is interoperable with QSFP-100G-CWDM4-S. |