

# Important information about your hardware and supporting software release compatibility

This document describes your hardware and the minimum software release required to support your hardware. The latest revision of this document can be found on the Nortel Networks documentation Web site at [www.nortelnetworks.com/documentation](http://www.nortelnetworks.com/documentation).

| <b>Chassis &amp; switching fabric</b> |  | <b>Minimum software version</b>                                | <b>Part number</b> |
|---------------------------------------|--|--|--------------------|
| 8010co chassis                        | 10-slot chassis  | 3.1.2  | DS1402004          |
| 8010 chassis                          | 10-slot chassis  | 3.0.0  | DS1402001          |
| 8006 chassis                          | 6-slot chassis   | 3.0.0  | DS1402002          |
| 8003 chassis                          | 3-slot chassis   | 3.1.2  | DS1402003          |
| 8690SF                                | Discontinued, see <a href="#">8691SF</a>   | 3.0.0  | DS1404001          |
| 8691SF                                | Switching fabric   | 3.1.1  | DS1404025          |
| <b>8600 modules and components</b>    |  | <b>Minimum software version</b>                                | <b>Part number</b> |
| <b>Security module</b>                |  |  |                    |
| 8661SSL Acceleration Module (SAM)     | High Performance SSL Acceleration Module secures web-based applications and business communications* | 3.3.1 <sup>†</sup>   | DS1404070          |
| <b>Layer 4-7 module</b>               |  |  |                    |
| Web Switching Module (WSM)            | 4-Port Gigabit Ethernet SX or 10/100TX   | 3.1.3 <sup>‡</sup> , 3.2.1 <sup>**</sup> , 3.3.0 <sup>††</sup> | DS1404045          |
| <b>Ethernet modules</b>               |  |  |                    |
| 8608GB module                         | Discontinued, see <a href="#">8608GBE module</a>   | 3.0.0  | DS1404015          |
| 8608GT module                         | Discontinued, see <a href="#">8608GTE module</a>   | 3.1.0  | DS1404012          |
| 8608SX module                         | Discontinued, see <a href="#">8608SXE module</a>   | 3.0.0  | DS1404003          |
| 8624FX module                         | Discontinued, see <a href="#">8624FXE module</a>   | 3.0.0  | DS1404005          |
| 8648TX module                         | Discontinued, see <a href="#">8648TXE module</a>   | 3.0.0  | DS1404002          |

## 8600 modules and components (continued)

|   |   | Minimum software version | Part number |
|---|---|--------------------------|-------------|
| <b>Ethernet E-modules:##</b>            |   |                          |             |
| 8608GBE module                          | 8-port Gigabit Ethernet GBIC                      | 3.1.1                    | DS1404038   |
| 8608GTE module                          | 8-port Gigabit Ethernet 1000TX                    | 3.1.1                    | DS1404044   |
| 8608SXE module                          | 8-port Gigabit Ethernet SX                        | 3.1.1                    | DS1404036   |
| 8616SXE module                          | 16-port Gigabit Ethernet SX                       | 3.1.0                    | DS1404011   |
| 8616GTE module                          | 16-port Gigabit Ethernet TX                       | 3.3.0                    | DS1404034   |
| 8624FXE module                          | 24-port 100FX                                     | 3.1.1                    | DS1404037   |
| 8648TXE module                          | 48-port 10/100 TX                                 | 3.1.1                    | DS1404035   |
| 8632TXE module                          | 32-port 10/00TX (2 GBICs)                         | 3.1.2                    | DS1404024   |
| <b>Ethernet M modules***</b>            |   |                          |             |
| 8608GBM module                          | 8-port Gigabit Ethernet GBIC                      | 3.3.0                    | DS1404059   |
| 8608GTM module                          | 8-port Gigabit Ethernet 1000TX                    | 3.3.0                    | DS1404061   |
| 8632TXM module                          | 32-port 10/00TX (2 GBICs)                         | 3.3.0                    | DS1404055   |
| 8648TXM module                          | 48-port 10/100 TX                                 | 3.3.0                    | DS1404056   |
| <b>10 Gigabit Ethernet M modules***</b> |   |                          |             |
| 8681XLW module                          | 1-port 10 Gigabit Ethernet (1310nm WAN serial)    | 3.3.0                    | DS1404052   |
| 8681XLR module                          | 1-port 10 Gigabit Ethernet (1310nm LAN serial)    | 3.3.0                    | DS1404053   |
| <b>ATM/ATME/ATMM modules</b>            |   |                          |             |
| 8672ATM module                          | Discontinued, see <a href="#">8672ATME module</a> | 3.1.0                    | DS1304001   |
| 8672ATME module                         | ATME module##.                                    | 3.1.1                    | DS1304008   |
| 8672ATMM module                         | ATMM module***.                                   | 3.3.0                    | DS1304009   |



## 8600 modules and components (continued)

|  |  | Minimum software version | Part number |
|--|--|--------------------------|-------------|
| <b>ATM/ATME/ATMM module components<sup>†††</sup></b> |  |                          |             |
| DS-3 MDA   | 2-port 75 ohm coaxial                                  | 3.3.0                    | DS1304002   |
| OC-12c/STM-4 MDA                                     | 1-port MMF   | 3.1.0, 3.1.1, 3.3.0'     | DS1304004   |
| OC-12c/STM-4 MDA                                     | 1-port SMF   | 3.1.0, 3.1.1, 3.3.0'     | DS1304005   |
| OC-3c/STM-1 MDA                                      | 4-port MMF   | 3.1.0, 3.1.1, 3.3.0'     | DS1304006   |
| OC-3c/STM-1 MDA                                      | 4-port SMF   | 3.1.0, 3.1.1, 3.3.0'     | DS1304007   |
| <b>POS/POSE/POSM modules</b>                         |  |                          |             |
| 8683POS module                                       | Discontinued, see <a href="#">8683POSM module</a>      | 3.1.0                    | DS1404016   |
| 8683POSE module                                      | Discontinued, see <a href="#">8683POSM module</a>      | 3.1.1                    | DS1404043   |
| 8683POSM module                                      | M module <sup>***</sup>                                | 3.3.0                    | DS1404060   |
| <b>POS/POSE/POSM MDAs<sup>†††</sup></b>              |  |                          |             |
| OC-3c/STM-1 MDA                                      | 2-port MMF   | 3.1.0, 3.1.1, 3.3        | DS1333003   |
| OC-3c/STM-1 MDA                                      | 2-port SMF   | 3.1.0, 3.1.1, 3.3        | DS1333004   |
| OC-12c/STM-4 MDA                                     | 1-port MMF   | 3.1.0, 3.1.1, 3.3        | DS1333001   |
| OC-12c/STM-4 MDA                                     | 1-port SMF   | 3.1.0, 3.1.1, 3.3        | DS1333002   |
| <b>8600 compatible GBICs<sup>****</sup></b>          |  |                          |             |
| 1000BASE-SX GBIC                                     | 850 nm, short wavelength, Gigabit Ethernet             | 3.0.0                    | AA1419001   |
| 1000BASE-LX GBIC                                     | 1300 nm, long wavelength, Gigabit Ethernet             | 3.0.0                    | AA1419002   |
| 1000BASE-XD GBIC                                     | 50k, SC duplex SMF, Gigabit Ethernet                   | 3.0.0                    | AA1419003   |
| 1000BASE-ZX GBIC                                     | 70k, SC duplex SMF, Gigabit Ethernet                   | 3.0.0                    | AA1419004   |
| Gray CWDM GBIC                                       | Discontinued, see <a href="#">Gray CWDM APD GBIC</a>   | 3.1.2                    | AA1419005   |
| Violet CWDM GBIC                                     | Discontinued, see <a href="#">Violet CWDM APD GBIC</a> | 3.1.2                    | AA1419006   |
| Blue CWDM GBIC                                       | Discontinued, see <a href="#">Blue CWDM APD GBIC</a>   | 3.1.2                    | AA1419007   |
| Green CWDM GBIC                                      | Discontinued, see <a href="#">Green CWDM APD GBIC</a>  | 3.1.2                    | AA1419008   |
| Yellow CWDM GBIC                                     | Discontinued, see <a href="#">Yellow CWDM APD GBIC</a> | 3.1.2                    | AA1419009   |

## 8600 modules and components (continued)

|                      |  | Minimum software version | Part number |
|----------------------|--|--------------------------|-------------|
| Orange CWDM GBIC     | Discontinued, see <a href="#">Orange CWDM APD GBIC</a> | 3.1.2                    | AA1419010   |
| Red CWDM GBIC        | Discontinued, see <a href="#">Red CWDM APD GBIC</a>    | 3.1.2                    | AA1419011   |
| Brown CWDM GBIC      | Discontinued, see <a href="#">Brown CWDM APD GBIC</a>  | 3.1.2                    | AA1419012   |
| Gray CWDM APD GBIC   | 1470nm   | 3.1.4                    | AA1419017   |
| Violet CWDM APD GBIC | 1490nm   | 3.1.4                    | AA1419018   |
| Blue CWDM APD GBIC   | 1510nm   | 3.1.4                    | AA1419019   |
| Green CWDM APD GBIC  | 1530nm   | 3.1.4                    | AA1419020   |
| Yellow CWDM APD GBIC | 1550nm   | 3.1.4                    | AA1419021   |
| Orange CWDM APD GBIC | 1570nm   | 3.1.4                    | AA1419022   |
| Red CWDM APD GBIC    | 1590nm   | 3.1.4                    | AA1419023   |
| Brown CWDM APD GBIC  | 1610nm   | 3.1.4                    | AA1419024   |

\* The 8661 SAM is used in conjunction with the Web Switching Module to intelligently accelerate secure business communication and confidential data by off-loading Secure Sockets Layer (SSL) Processing.

† The 8661 SAM and Web Switching Module security solution also require WebOS version 10.0. Passport 8000 Series Switch Series Software Release 3.3.1 was specifically designed to introduce the 8661 SAM module. Release 3.3.2 does not support this module.

‡ Passport 8000 Switch Series Software Release 3.1.3 is the first and only release in the 3.1.x software branch that supports the Web Switching Module.

\*\* Passport 8000 Switch Series Software Release 3.2.1 (and later) supports the Web Switching Module.

†† Passport 8000 Switch Series Software Release 3.3.0 introduced support for WebOS 10.0 on the Web Switching Module.

‡‡ E-modules are required to support Egress port mirroring and Enhanced Operational Mode.

\*\*\* M modules offer additional memory to support large routing tables such as those found in BGP implementations. The Passport 8000 Series Software Release 3.3 introduced a new mode, called M Mode, or 128K records mode, which requires the 8691SF module. When enabled, this mode allows M modules to use their full capabilities (128K records). When this mode is disabled, the M modules work in 32K mode (case of non E and E modules). If the chassis includes one 8690SF module, the mode default backs to 32K mode. To be effective, this mode requires that all modules installed in the same chassis support 128K records (M modules) and that the SF/CPU are 8691SF. If one, or more modules installed in the chassis is a 32K records module (non M module), these modules will be disabled if the chassis is configured to operate in M Mode (For instructions on enabling MMode, see *Platform and System Management*).

††† ATM MDAs inserted into an 8672ATME module require Passport 8000 Switch Series Software Release 3.1.1 or higher. ATM MDAs inserted into a 8672ATMM module require Passport 8000 Switch Series Software Release 3.3.0 or higher.

‡‡‡ POS MDAs inserted into a 8683POSE module require Passport 8000 Switch Series Software Release 3.1.1 or higher, and POS MDAs inserted into a 8683POSM module require Passport 8000 Switch Series Software Release 3.3.0 or higher.

\*\*\*\* Non-supported GBICs are displayed in the CLI and Device Manager as "GBIC-other."



| <b>8100 modules and components</b> |  | <b>Minimum software version</b> | <b>Part number</b> |
|------------------------------------|--|---------------------------------|--------------------|
| <b>Management modules</b>          |  |                                 |                    |
| 8190SM module                      | Switch management module                   | 2.0.0                           | DS1404014          |
| <b>Ethernet modules</b>            |  |                                 |                    |
| 8132TX module                      | 32-port 10/100TX Ethernet (1 MDA)          | 1.0.0                           | DS1404006          |
| 8148TX Edge Switch module          | 48-port 10/100TX Ethernet                  | 2.0.0                           | DS1404007          |
| 8116FX Edge Switch module          | 16-port 100FX (1MDA)                       | 2.0.1                           | DS1404008          |
| 8108GB module                      | 8-port Gigabit Ethernet GBIC               | 2.0.0                           | DS1404009          |
| <b>8100 compatible MDAs</b>        |  |                                 |                    |
| 450-1SX MDA                        | 1-port 1000Base-SX Single PHY              | 1.0.0                           | AL2033005          |
| 450-1SR MDA                        | 1-port 1000Base-SX Redundant PHY           | 1.0.0                           | AL2033006          |
| 450-1LX MDA                        | 1-port 1000Base-LX Single PHY              | 1.0.0                           | AL2033007          |
| 450-1LR MDA                        | 1-port 1000Base-LX Redundant PHY           | 1.0.0                           | AL2033008          |
| 8100-2FX MDA                       | 2-port 100Base-FX                          | 1.0.0                           | DS2033001          |
| 8100-4FX MDA                       | 4-port 100Base-FX                          | 1.0.0                           | DS2033002          |
| 8100-4TX MDA                       | 4-port 10/100TX                            | 1.0.0                           | DS2033003          |
| <b>8100 compatible GBICs****</b>   |  |                                 |                    |
| 1000BASE-SX GBIC                   | 850 nm, short wavelength, Gigabit Ethernet | 3.0.0                           | AA1419001          |
| 1000BASE-LX GBIC                   | 1300 nm, long wavelength, Gigabit Ethernet | 3.0.0                           | AA1419002          |
| 1000BASE-XD GBIC                   | 17dB                                       | 3.0.0                           | AA1419003          |
| 1000BASE-ZX GBIC                   | 22 dB                                      | 3.0.0                           | AA1419004          |