



CTP System

CTPOS Release Notes

Release 4.5

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CTPOS Release 4.5

Release Overview

These *Release Notes* accompany Release 4.5 of the CTPOS Circuit Emulation software. They describe the enhancements as well as known issues with the software. CTPOS runs on all Juniper Networks CTP 1000-series and 2000-series platforms.

If the information in these *Release Notes* differs from the information found in the published documentation set, follow these *Release Notes*. These *Release Notes* include the following sections:

- Release Overview on page 1
- Required Files on page 1
- New Features on page 2
- New Hardware on page 2
- Enhancements on page 3
- Known Issues on page 3

You can also find these release notes on the Juniper Networks Technical Publications CTP documentation Web page, which is located at <http://www.juniper.net/techpubs/hardware/ctp/>.

Required Files

The following files are required for this release:

- FLASH Image File (256MB): flash_4.5R1.img
- FLASH Image File (1GB): flash_4.5R1_1G.img
- Kernel Patch Archive File: acorn_429_071029_k256.tgz
- Upgrade Archive File: acorn_429_071107.tgz
- CTP2000 FPGA Archive File:
acorn_429_071015_fpga_2000_ser_v6f_t1e1_v10.tgz

New Features

This section describes features new to this release.

CTP1002 Support

Kernel modifications have been made to support the CTP1002 platform. All CTP1000-series platform features are now available on the CTP1002 system.



NOTE: The maximum allowable port speed on the CTP1002 system is 2048 K.

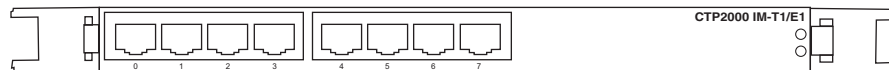
New Hardware

This section describes hardware new to this release.

CTP2000-IM-8P-T1E1 Interface Module

An 8-port T1/E1 interface module is available for the CTP2000-series platforms. This card provides eight T1/E1 interfaces per module by means of RJ-48 connectors. This module provides functionality similar to the current IM-8P-T1 interface module, and provides a platform on which to build future functionality.

Figure 1: CTP2000-IM-8P-T1E1 Interface Module



NOTE: Fractional T1 and E1 are currently not supported on the new T1/E1 interface module. These features, in addition to others, should be available with the next major release of CTPOS.

Using the CLI, you can configure Build Out for T1 interfaces on the T1/E1 interface module. (See Figure 2.)

Figure 2: Configuring a T1 Interface and Options—CLI

```
=====
(intel_52 10/09/06 21:28:43 GMT) | Voice T1E1 Config Menu for Port 0
=====
Please select a number from the following list:
-----
0) Back to Previous Menu
1) Type: T1
2) Option: B8ZS
3) SAToP: No
8) BuildOut: ~133ft

----- Your choice [0]: 8
```

Please select a number from the following list:

-
- 0) ~133 ft
 - 1) ~266 ft
 - 2) ~399 ft
 - 3) ~533 ft
 - 4) ~655 ft
 - 5) -7.5dB CSU
 - 6) -15dB CSU
 - 7) -22.5dBCSU

----- Your choice [0]:

DC Systems

DC versions of the CTP1004-series and CT 2000-series platforms are now supported.

Enhancements

This section describes product enhancements available in this release.

- CRC generation—When using fractional T1 on the CTP2000-IM-8P-T1 interface module, correct CRCs are generated.
- Fill pattern change—The fill pattern used for idle channels when using Fractional T1 is now “7F”.
- Adaptive/Autobaud single tick adjustments—Enhancements have been made to the Adaptive/Autobaud algorithms to provide better support for low-speed circuits.

Known Issues

This section identifies known issues in this release.

- IPv6 support—When a system is configured for IPv6 only, the system does not correctly relate IPv6 addresses with physical interfaces.

Workaround—Enable IPv4/IPv6 and give each used interface an unused IPv4 address. If you plan to use this feature, please contact Juniper Networks Technical Support for assistance.

