



CTP System

CTPOS Release Notes

Release 5.0

Juniper Networks, Inc.

1194 North Mathilda Avenue
Sunnyvale, CA 94089

USA

408-745-2000

www.juniper.net

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Writing: John Borelli, Bill Lemons
Editing: Fran Mues
Illustration: John Borelli

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CTPOS Release 5.0

Release Overview

These *Release Notes* accompany Release 5.0 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. CTPView 3.0R1 or later is required for this release.

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 2
- 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_5.0R1.img
- FLASH Image File (1GB): flash_5.0R1_1G.img
- Upgrade Archive File: acorn_429_080314.tgz
- CTP2000 FPGA Archive File:
acorn_429_080304_fpga_2000_ser_vf8_t1e1_v11.tgz
- CTP2000 Winmon Archive File: acorn_429_080313_winmon_t1e1_v25.tgz

New Features

This section describes features new to this release.

CESoPSN Support for the CTP2000-IM-8P-T1E1 Interface Module

RFC-5086 defines a standard for transporting multiple bundles of DS0s from a single physical interface to different network destinations. This capability has been enabled on the CTP2000-IM-8P-T1E1 interface module, which was introduced CTPOS Release 4.5. This feature enables the user to configure bundles of DS0s from a single T1 or E1 port and transport them via this standards-based mechanism to a remote system.



NOTE: CESoPSN bundles are configurable only on CTP2000-series CTP2000-IM-8P-T1E1 interface modules. They are not supported on CTP1000-series products or the CTP2000-IM-8P-T1 interface module.

Fractional T1/E1 Support for the CTP2000-IM-8P-T1E1 Interface Module

Support for fractional T1 and E1 as introduced in CTPOS Release 4.5 has been extended to the CTP2000-IM-8P-T1E1 interface module.



NOTE: A valid T1 source attached to the fractional T1 port is required for the system to generate data packets on the network. A circuit will remain in the in sync status with no source of T1 framing. This prevents unwanted data from reaching the network.

SAToP Support for the CTP2000-IM-8P-T1E1 Interface Module

Support for SAToP T1 and E1 services has been extended to the CTP2000-IM-8P-T1E1 interface module.

New Hardware

There is no new hardware for this release.

Enhancements

This section describes product enhancements available in this release.

- **Bundle-Based Configuration**—To provide more flexible configuration methods necessary to support features such as CESoPSN, the port-centric configuration menu has been changed to a bundle-centric menu system. Physical port parameters and bundle configuration data, although related, are now configured separately. In CTPOS release 5.0, there is a limit of 64 bundles per system.

Known Issues

This section identifies known issues in this release.

- When configuring fractional T1 or E1 with a small number of DS0s, standard buffer settings need to be increased to allow the circuit to stabilize.

