



## Preface

This guide provides an overview and explains how to configure the various features for the T1 or E1 CEM Interface Module.

This document is applicable for the following interface modules:

**Table 1: Supported Interface Module**

| Interface Module   | Part Number       | Mode  |
|--|-------------------|-------|
| 48-port T1/E1 Interface module   | • ASR-920-12SZ-IM | T1/E1 |
| 1-port OC48/ STM-16 or 4-port OC-12/OC-3 / STM-1/STM-4 + 12-Port T1/E1 + 4-Port T3/E3 CEM Interface Module | • ASR-920-12SZ-IM |       |

Circuit Emulation (CEM) is a technology that provides a protocol-independent transport over IP/MPLS networks. It enables proprietary or legacy applications to be carried transparently to the destination, similar to a leased line.

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- [Related Documentation, on page 2](#)

## Document Organization

| Chapter                                | Description   |
|--|---|
| Overview of the T1/E1 Interface Module | Provides a high-level overview of the interface module. Also provides additional information such as restrictions, benefits etc.. |
| Configuring the T1/E1 Interface Module | Provides information about how to configure the interface module.   |
| Monitoring the Interface Module        | Provides information on monitoring features for the interface module.   |

| Chapter                              | Description  |
|--------------------------------------|--|
| Troubleshooting the Interface Module | Describes features that you can use to troubleshoot the operation of interface module. |
| Additional References                | Provides information on additional features, technical details.                        |

## Related Documentation

- Alarm Configuring and Monitoring Guide
- CEM Generic Guide
- T3 or E3 CEM Interface Module Configuration Guide