



# 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	• NCS4200-48T1E1-CE	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	• NCS4200-3GMS	

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