



Feature History

The following table lists the new features supported in the 48-Port T1/E1 CEM Interface Module Configuration Guide in Cisco IOS XE 17 releases., on Cisco NCS 4201 and Cisco NCS 4202 routers.

Feature	Description
Cisco IOS XE Cupertino 17.8.1	
NCS4200-48T1E1-CE support in NCS4202	<p>The router supports the following features for the 48-Port T1/E1 Circuit Emulation (CEM) interface module:</p> <ul style="list-style-type: none"> • Basic mode, and T1 or E1 controller required configurations • CEM clocking, ACR, and DCR • CEM pseudowires such as Structure-Agnostic TDM over Packet (SATOP) and Circuit Emulation over Packet-Switched Network (CESoPSN) • BERT, loopback, and alarms • Performance monitoring <p>The support for the interface module provides cost-effective delivery of CEM over a packet-based network (MPLS).</p>
Cisco IOS XE Bengaluru 17.5.1	
GR-820-CORE Performance Monitoring	The show controller tabular command enables you to view the performance monitoring details in tabular form as per GR-820-Core standards.
Cisco IOS XE Bengaluru 17.4.1	
Support for all 0s and 1s BERT Patterns	Support for all 0s and 1s BERT patterns on T1 or E1 interfaces.

