



Hardware Compatibility

This chapter provides information about hardware that is compatible with the Cisco Transport Manager Equipment Module. Hardware includes the following items:

- Chassis
- Control Cards
- Electrical Interface Cards
- Optical Interface Cards

Chassis

The Cisco Transport Manager Equipment Module supports the Cisco ONS 15454 chassis.

Control Cards

The following tables outline the control cards that are supported on by the Cisco Transport Manager Equipment Module.

Table 3-1 Common Control Cards

Card	Name	Description
TCC, TCC+	Time Communication and Control Card	Performs system initialization, provisioning, alarm reporting, maintenance, diagnostics, IP address detection/resolution, SONET DCC termination, and system fault detection for the ONS 15454.
XC	Cross Connect Card	Central element for ONS 15454 switching, establishes connections and performs time division switching (TDS) at the STS-1 level between ONS 15454 traffic cards.
XCVT	VT1.5 Cross Connect Card	Supports VT1.5 cross connect capability, allowing up to 336 bidirectional VT1.5s. VT1.5 signals can be cross connected, dropped, or rearranged.
AIC	Alarm Interface Controller Card	This card is not supported by this Equipment Module, however, presence of this card will not cause problems.

Electrical Interface Cards

The following table lists the network interfaces that are supported by the Cisco Transport Manager Equipment Module.

Table 3-2 Electrical Interface Cards

Card	Description
DS1-14	Provides 14 DS1 interfaces
DS1N-14	Identical to the DS1-14 card, also offers 1:N protection
DS3-12	Provides 12 Telcordia compliant GR-499 DS-3 interfaces per card for the ONS 15454
DS3N-12	Identical to DS3-12 card, also offers 1:N protection.
DS3XM-6	Provides 6 Telcordia compliant GR-499-CORE M13 multiplexing functions, converting 6 framed DS-3 network connections to 28x6 or 168 VT1.5s

Optical Interface Cards

The following table lists the optical interface cards that are supported by the Cisco Transport Manager Equipment Module¹.

Table 3-3 Optical Interface Cards

Card	Description
OC3 IR 4 1310	Provides 4 intermediate range Telcordia compliant GR-253 SONET OC-3 interfaces operating at 1310 optical wavelength.
OC12 IR 1310	Provides one intermediate range Telcordia compliant GR-253 SONET OC-12 interface operating at 1310 optical wavelength.
OC48 IR 1310	Provides one intermediate range Telcordia compliant GR-253 SONET OC-48 interface operating at 1310 optical wavelength.

1. Presence of optical cards other than those listed in Table 3-3 will not adversely affect the operation of this Equipment Module.