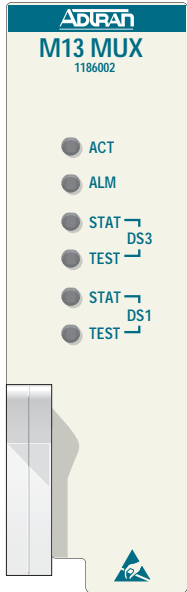


DESCRIPTION



The MX2820 M13 MUX is a plug-in unit for the MX2820 chassis that provides an M13 multiplexer function to the MX2820 system. Two MX2820 M13 MUX modules are used together to provide a redundant M13 multiplexer circuit. The MX2820 M13 MUX:

- Provides 1-to-1 redundancy
- Meets the requirements for NEBS Level 3

SAFETY AND REGULATORY COMPLIANCE

Refer to the Safety and Regulatory Compliance Notice for this product (P/N 61186002F3-17) for detailed safety and regulatory information.

Consultez l'avis sur la sécurité et la conformité à la réglementation pour ce produit (61186002F3-17) pour obtenir des renseignements détaillés sur la sécurité et la réglementation.

Ausführliche Sicherheits- und regulatorische Informationen sind in der Konformitätserklärung zur Sicherheit und Einhaltung von Normen zu diesem Produkt (61186002F3-17) aufgeführt.

INSTALLATION AND TURN UP

After unpacking the unit, inspect it for damage. If damage is found, file a claim with the carrier and then contact ADTRAN Customer Service. Refer to the warranty statement on this Job Aid.

This module occupies a MUX slot in the MX2820 chassis. To install the M13 MUX in the chassis, complete the following steps:

1. Pull the ejector tab into the down position and gently but firmly push the MUX into the selected MUX slot. Simultaneous thumb pressure at the top and at the bottom of the MUX ensures a good seat of the MUX into the backplane connector.
2. Push the ejector tab up and closed against the front panel.

Upon installation, the MUX begins a self-test. This is followed with the LEDs reflecting the true state of the hardware.

OPERATIONAL SPECIFICATIONS

- Operates from A or B input voltage power feeds.
 - ◆ -48 VDC Systems: -42 VDC to -56 VDC
 - ◆ -24 VDC Systems: -22 VDC to -27 VDC
 - ◆ +24 VDC Systems: +22 VDC to +27 VDC
- Operates over extended temperature range of -40°C to +50°C (without fans) or -40°C to +65°C (with fans)
- Storage -40°C to +85°C (Relative humidity to 95 percent, noncondensing)

LED STATUS FOR ACTIVE MUX

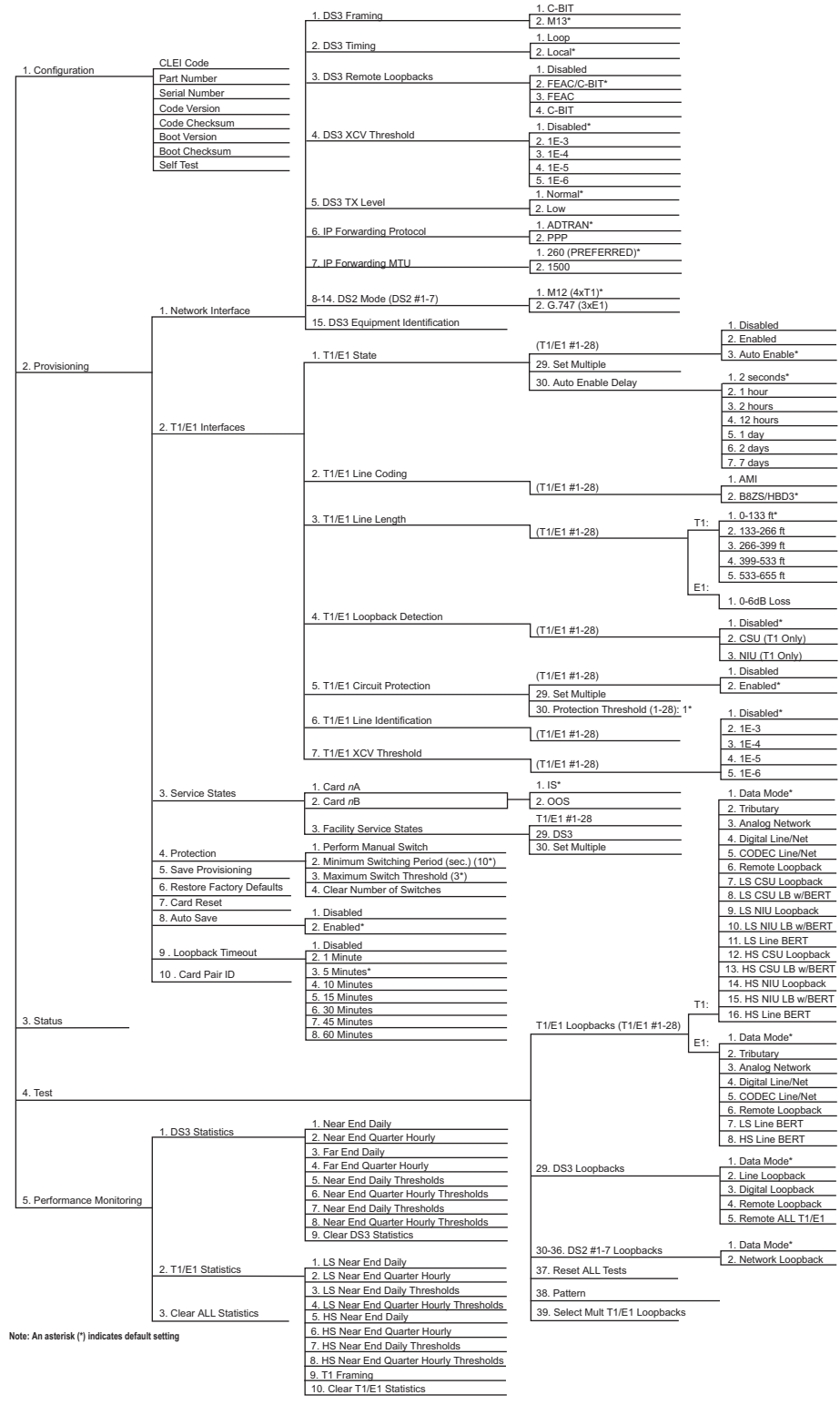
Label	Status	Description
ACT	● Green	Normal (All OK)
	●/● Green/Yellow (Alternating)	Normal and console open
	● Yellow	Software update in progress
	●/● Yellow/Red (Alternating)	Self-test failed and console open
	● Red	Self-test failed
	* Red (Flashing)	Module has failed
ALM	● Green	No critical, major, or minor alarms
	● Red	Major or minor alarm in progress
	* Red (Flashing)	Critical alarm in progress
DS3 STAT	● Green	Normal (DS3 OK)
	●/● Green/Red (Alternating)	DS3 XCV threshold exceeded
	● Red	AIS, OOF, RAI, Idle alarms
	* Red (Flashing)	DS3 LOS or DS3 Failure (critical)
	* Red (Flashing once per event)	Single/Burst DS3 code violations
DS3 TEST	○ Off	No DS3 tests in progress
	● Yellow	In test (locally originated)
	* Yellow (Flashing)	In test (remotely originated)
DS1 STAT	○ Off	All DS1s are disabled
	● Green	Enabled DS1s normal (All OK)
	●/● Green/Red (Alternating)	DS1 XCV threshold exceeded
	● Red	Non-critical DS1 alarm (CAIS, LAIS)
	* Red (Flashing)	LOS on an enabled line (critical DS1 alarm; non-critical system alarm)
	* Red (Flashing once per event)	Single/Burst RX DS1 code violation
DS1 TEST	○ Off	No DS1 tests in progress
	● Yellow	In test (locally originated)
	* Yellow (Flashing)	In test (remotely originated)

LED STATUS FOR STANDBY MUX

Label	Status	Description
ACT	* Green (Flashing)	Normal (All OK)
	● Yellow	Software update in progress
	● Red	Failure
ALM	○ Off	Permanent state during standby
DS3 STAT	○ Off	Normal (DS3 OK)
	* Red (Flashing)	In test (remotely originated)
DS3 TEST	○ Off	Permanent state during standby
DS1 STAT	○ Off	Normal (DS1s OK)
	* Red (Flashing)	DS1 Failure
DS1 TEST	○ Off	Permanent state during standby

PROVISIONING

All provisioning of the MX2820 M13 MUX is handled through the SCU. The menu tree below provides the options and default settings for the MX2820 M13 MUX.



Note: An asterisk (*) indicates default setting

Warranty: ADTRAN will replace or repair this product within the warranty period if it does not meet its published specifications or fails while in service. Warranty information can be found online at www.adtran.com/warranty.



ADTRAN CUSTOMER CARE:
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From outside the U.S. +1 256.963.8716
PRICING AND AVAILABILITY 1.800.827.0807

