

## MX2820 SCU

P/N: 1186003E1  
CLEI: M3C3SSOA\_



### DESCRIPTION

The MX2820 System Controller Unit (SCU) is a plug-in unit for the MX2820 chassis that acts as an interface between the user and the modules in the MX2820 system. The MX2820 SCU also allows provisioning of IP, security, and craft port settings via a front panel craft interface (DB-9 connector).

### RS-232 DB-9 CONNECTOR

- ◆ Used to provision the MX2820 via VT100 terminal or VT100 terminal emulation software such as HyperTerminal or ProComm Plus.
- ◆ Provision terminal port as follows:
  - ◆ Data Rate – 9600 bps
  - ◆ Asynchronous Data Format – Eight data bits, no parity (none), one stop bit, and no flow control
- ◆ The default username and password are ADMIN and PASSWORD in all caps.

### INSTALLATION AND TURNUP

After unpacking the unit, inspect it for damage. If damage is found, file a claim with the carrier and then contact ADTRAN Customer Service.

This module occupies the **SCU** slot in the MX2820 chassis. Pull the ejector tab into the down position and gently but firmly push the SCU into the **SCU** slot. Simultaneous thumb pressure at the top and at the bottom of the unit ensures a good seat of the SCU into the backplane connector. Push the ejector tab up and closed against the front panel. Upon installation, the SCU begins a self-test. This is followed with the LEDs reflecting the true state of the hardware.

### FRONT PANEL LEDS

Label	Status	Description
<b>ACT</b>	● Green	Normal (all OK)
	●/● Green/Amber (Alternating)	Normal (all OK)
	● Amber	Software update in progress
	●/● Amber/Red (Alternating)	Self-test failed and console open
	● Red	Self-test failed
	●* Red Flashing	SCU module has failed
<b>ALM</b>	● Green	No critical, major, or minor alarms
	● Amber	Major or minor alarm was highest priority alarm suppressed by ACO
	●* Amber Flashing	Critical alarm was highest priority alarm suppressed by ACO
	● Red	Major or minor alarm in progress
	●* Red Flashing	Critical alarm in progress

### OPERATIONAL SPECIFICATIONS

Specification	Description
Operating Voltage	–48 VDC Systems: –42 VDC to –56 VDC –24 VDC Systems: –22 VDC to –27 VDC +24 VDC Systems: +22 VDC to +27 VDC
Operating Temperature	–40°C to +50°C without fans –40°C to +65°C with fans
Storage Temperature	–40°C to +85°C (Relative humidity to 95 percent, noncondensing)

### COMPLIANCE

The MX2820 SCU complies with UL 60950, NEBS Level 3, and GR-1089-CORE. The MX2820 SCU is intended for installation in restricted access areas only. The MX2820 SCU meets the EU’s RoHS Directive 2002/95/EC and/or applicable exemptions. See [www.adtran.com](http://www.adtran.com) for further information on RoHS/WEEE.

Code	Input	Output
Power Code	A	–
Telecommunication Code (TC)	–	X
Installation Code (IC)	F	C

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by ADTRAN could void the user’s authority to operate this equipment.

### SECURITY ADMINISTRATION

The MX2820 SCU provides a security account management system that allows a user with “Admin” access privileges to view which users are currently logged on to the system; edit, create, disable, and restore default settings to the user accounts; and adjust security settings. A RADIUS client is included that allows remote authentication of user sessions.

Default Username	Default Password	Access Rights
ADTRAN	PASSWORD	Admin
ADMIN	PASSWORD	Admin
TEST	PASSWORD	Test
READWRITE	PASSWORD	Read/Write
READONLY	PASSWORD	Read

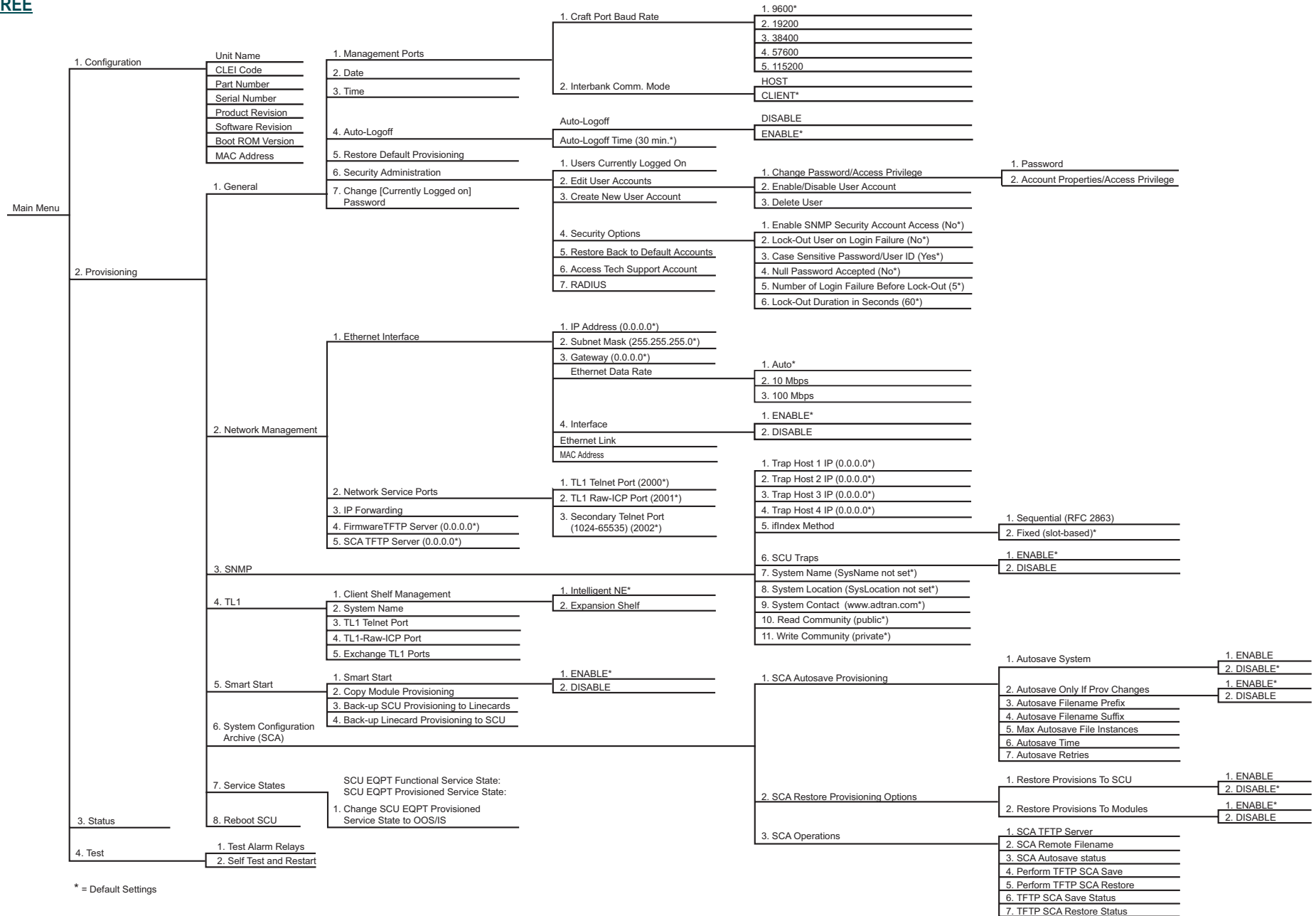
Security Option	Type	Description
Enable SNMP Security Account Access	Yes/No	Allows accounts to be modified with SNMP
Lock-Out User on Login Failure	Yes/No	Lock-Out user when login failures exceed defined number
Case Sensitive Password/User-ID	Yes/No	Passwords and user-ID’s case sensitive
Null Password Accepted	Yes/No	Null passwords will be accepted
Number of Login Failure Before Lock-Out	Enumerated	Enter number of login failures allowed before lock-out
Lock-Out Duration in Seconds	Enumerated	Enter time in seconds that a user is locked-out

### PROVISIONING

All provisioning of the MX2820 is handled through the SCU. The menu tree on the reverse of this Job Aid provides the options and default settings for the MX2820 SCU.



## MENU TREE



\* = Default Settings

**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](http://www.adtran.com/warranty).