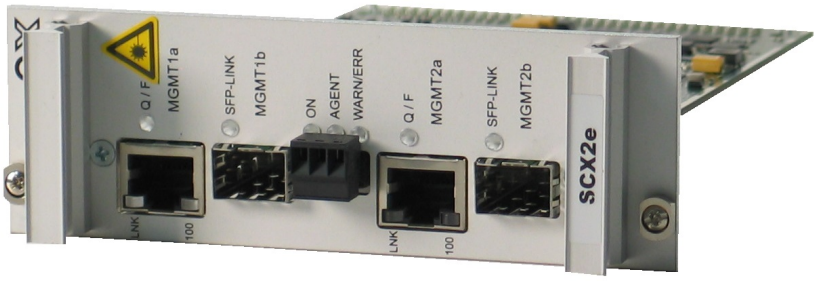
SCX2e

System Controller & SNMP Agent

- Central management access device for system racks (SRX family)
- 2 x IP access via copper and fibre optic Ethernet
- Remote SW-upload for each component in a system rack via TFTP or http.
- Flash File System, for saving new and old SW files of all plugged cards



The System Controller SCX2e is used to control, configure and monitor all types of arcutronix line-card and system-racks (SRX). The System Controller provides access by using SNMP, Web-GUI and SSH.

Introduction

The Web-GUI assists a user friendly field installation and configuration. For SNMP management, several standard and product specific MIB files (Management Information Base) are provided. SSH supports automatic configuration on secure remote access via unsecure networks. Remote SW-upload for SCX2e itself and all other component in the system rack is realized via TFTP or http. After copying SW updates to SCX2e Flash File System updated files are loaded into agent and plugged modules on administrator`s request. The in-band management capability, in combination with the System Controller SCX2e allows Carriers and ISPs to maintain and supervise all devices inside management system via single NMS access point. Trap signaling helps to detect errors in case of any failure or status change at the local or remote site.

Features

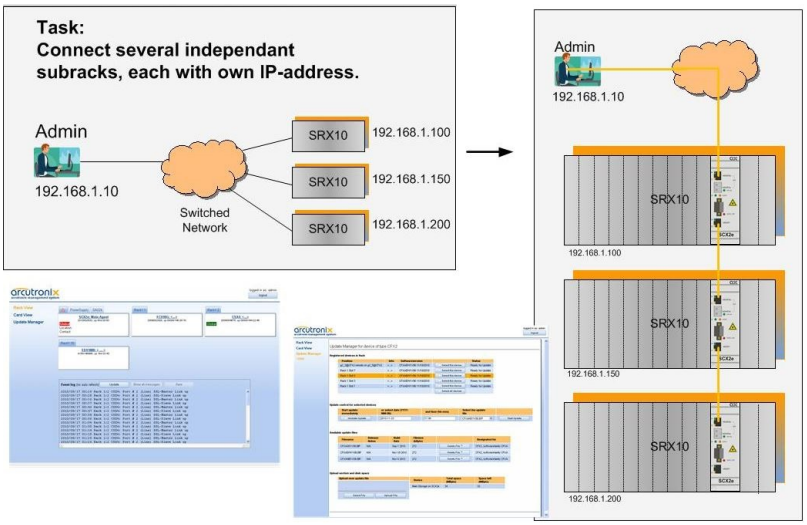
- Various management access options: SNMPv2c, SNMPv3, Web-GUI, SSH
- Power and Fan control functionality
- SNMP trap-signalling in case of local or remote status changes
- Enhanced Alarm Management handling
- Configuration handling
- Auto-Discovery of plugged line-card and system rack types
- Alarm relay – Enhanced alarm threshold selectable in addition to autonomous alarm function via alarm relay contact
- Power supply via system racks (SRX)
- Compact 3U rack card

Application Example

Web-GUI

Web-based graphical user interface is accessible from every standard web browser. Using Web-GUI, all components of local and remote site can be monitored and configured.

All signals and the card status in different racks are displayed graphically. When installing new devices, they will be automatically discovered and displayed.



Technical Specifications

10/100BaseT port

- 1x RJ45
  - IEEE 802.3
  - IEC 60870-5-104
  - Auto Negotiation, Auto MDIX

Combo-Port (Copper and/or FO)

- 1 x SFP and/or 1x RJ45
  - Auto-Media Detect (SFP has priority)
  - Ethernet according to IEEE802.3
  - Copper: 10/100/1000 BaseT
    - Auto Negotiation, Auto MDIX
  - Fibre: 100 BaseF or 1000 BaseF
  - Auto SFP Detect

Features

- SNMPv2c, v3
  - RFC1901, 1905, 1906; RFC3410 et sqq.
- Web-GUI (HTML4.01)
- SSH
  - RFC4250 et sqq.
- File Transfer for Up- and Download Purposes via TFTP or http.
- Flash File System for all SW download files
- Trap signalling in case of any local or remote failure
- Alarm Event Logging
- Alarm connector

Environmental

- Operating: +5 to +40°C
- ext. Operating: -20 to +70°C
- Storage: -30 to +80°C
- Humidity: 5 to 95%, non-condensing

Power

- Input: 5 VDC via Backplane
- Power Consumption: < 5VA*, overcurrent protected
- Voltage/Lightning Protection: acc. ITU-T K.20
- Power supply via system rack SRX

* depends on plugged SFPs

Physical

- Weight: < 180g
- Dimensions:
  - 130mm H x 43,18mm W (8,5HP) x 190mm D
- 19” rack: slot 11 in SRX10

Alarm-Contact

- 1x Alarm-Relay
- Connector: 3 pins

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