

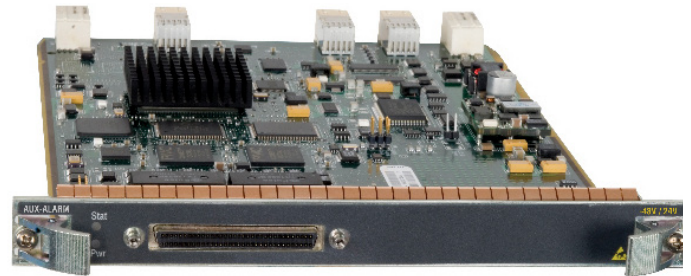
Nokia 7705 Service Aggregation Router

Auxiliary Alarm Card

The Nokia 7705 Service Aggregation Router (SAR) Auxiliary Alarm Card provides high-density input alarm and output alarm relay capabilities to the 7705 SAR. This integrated unit eliminates the need for a separate device for alarm management. With remote configuring and monitoring using the Nokia Network Services Platform and/or a general SNMP-based management system, a powerful, resilient and cost-efficient alarm and monitoring capability is possible.

The Nokia 7705 SAR Auxiliary Alarm Card supports 24 digital alarm inputs, 8 dry-contact output relays, and 2 analog inputs.

The Nokia 7705 SAR Auxiliary Alarm card is supported on the 7705 SAR-8 and the 7705 SAR-18 platforms. Management is provided by the Nokia Network Services Platform (NSP), and support is also provided for general, SNMP-based management platforms. The card supports in-service insertion and removal.



Features and benefits

- The 7705 SAR Auxiliary Alarm Card provides a scalable integrated solution for alarm management, thus eliminating the need for separate devices to perform this function.
- The card can be installed in any of the 6 adapter card slots in the 7705 SAR-8 or the 12 equivalent slots in the 7705 SAR-18. Multiple cards can be installed to scale smoothly to higher numbers of inputs/outputs.
- The 24 digital alarm inputs can be used to connect to dry contacts of security sensors such as door and window monitors, HVAC and other telecom systems. The state (open or closed) is sensed and reported to the remote management system.
- The eight output relays provide dry-contact outputs to interface to external equipment (such as audible or visual alarm systems). Both Normally-Opened (NO) and Normally-Closed (NC) pins are available.

- The two analog inputs support an input voltage range between 0 V DC and 75 V DC. Up to four configurable thresholds per port are provided for alarms and events. Input isolation prevents any possibility of damage to external equipment. The analog inputs, for example, are ideal for DC battery monitoring.
 - Each port can be individually configured and managed. Ports can be enabled and disabled, and provided with, for example, configured debounce durations. Multiple user-defined alarms are possible with description, severity, enabled/disabled, voltage thresholds (for analog inputs), actions (e.g., local logging/SNMP trap) and log text as desired.
 - A single high-density connector (68 pin SCSI-2) provides access for all inputs and outputs. The same “open-ended” cables used for the T1/E1 ASAP card can be used to connect to this card.
 - A single variant with wide-voltage design can be used in both +24 V DC and -48 V DC systems.
 - Alarms and events can be managed using either the NSP, an open SNMP-based management system, or a basic command line interface (CLI).
- See Table 1 for connector and alarm information on the Auxiliary Alarm Card, and Table 2 for ordering information.

Table 1. Connector and alarm information on the Auxiliary Alarm Card

Supported on 7705 SAR-8 and 7705 SAR-18				
Card type	Connector type	Digital alarm inputs	Output relays	Analog inputs
7705 SAR Auxiliary Alarm Card (-48 V DC/+24 V DC)	68 pin SCSI-2	24	8	2

Table 2. Ordering information

Part number	Part name	Description
3HE02772AA	Auxiliary Alarm Card (-48 V DC/+24 V DC)	The Auxiliary Alarm card provides additional alarm support for high-density digital inputs and outputs, as well as two analog inputs. Access to all the signal pins is via the AMP 68-pin connector. The 26-AWG open-ended cables of 15 and 30 meters lengths (3HE03398AB/3HE03399AB), as well as the SCSI to AMP 64-pin cable (3HE02783AA), can be used in conjunction with this card. This card is supposed in both -48 V DC and +24 V DC systems.
3HE03399AB	T1/E1 Cable 26-AWG Open-Ended - 30M	Provides access to all the inputs and outputs for the Auxiliary Alarm card. The open end (26 AWG) can be directly attached to other telecom equipment or a punch-down/terminal block. 30 meters in length.
3HE03398AB	T1/E1 Cable 26-AWG Open-Ended - 15M	Provides access to all the inputs and outputs for the Auxiliary Alarm card. The open end (26-AWG) can be directly attached to other telecom equipment or a punch-down/terminal block.. 15 meters in length.



Technical specifications

Dimensions and weight

- Height: 0.9 in. (2.24 cm)
- Width: 6.7 in. (17.0 cm)
- Depth: 8.7 in. (22.0 cm)
- Weight: 0.86 lbs (0.38 kg)

Environmental specifications

- Operating temperature:
-40°C to 65°C (-40°F to 149°F)

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Nokia OYJ
Karakaari 7
02610 Espoo
Finland
Tel. +358 (0) 10 44 88 000

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