

GPIO alarm module

GPIO alarm module for the Nimbra 600 series

MODULE

The General Purpose Input/Output Alarm Module is a plug-in module for the Nimbra 600 series of multiservice switches. Installed in the auxiliary slot of the Nimbra 680/688 chassis, the GPIO Alarm Module provides up to 16 configurable contact closure interfaces for various external alarm applications.

The alarm pins are flexibly configured from the web interface of the Nimbra element manager. Output alarm conditions may be assigned independently with full flexibility to all of the 16 available pins. Each pin may be configured to be triggered either by a single alarm condition or by at least one alarm in a defined group of alarm conditions.

Alarm conditions are selected from drop-down menus of alarm cause, alarm type and alarm severity. Alarm objects



The GPIO Alarm Module provides a general purpose input/output alarm interface for various alarm applications.

such as a specific service or optical interface may also be defined.

The module is also equipped with 10/100 Ethernet, RS232/422 serial, and USB ports, allowing for full network management access to the active node control module.

TECHNICAL SPECIFICATIONS

Form factor: Plug-in unit for auxiliary slot in Nimbra 600 series

Alarm interface:

Connector: 2 x DSUB-9
Ports: 8 alarms pins per connector to common ground

Electrical interface: Contact closure, configurable
Alarm configuration: Mode Input or output, individually configurable per pin

Output criteria: Alarm cause, type, severity, object name, text

Other interfaces:

Management: 10/100 Ethernet, RS232/422 serial, USB
Management: Web or CLI element manager

Power consumption: <5W

Environmental conditions:

Operating temp. 5 to 40 °C (41 to 104 F)
(short term) -5 to 55 °C (23 to 131 F)
Storage temp. -40 to 70 °C (-40 to 156 F)
Relative humidity 10% to 90% (non-condensing)

Ordering information:

NPS0026-6001 GPIO Alarm Module

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