

Network Switching System

Electronically program your NSS to switch without sacrificing control of your network system.

Key Features

- ▶ *Facilitate off-site network management and control.*
- ▶ *Switch, monitor, access, test, and restore operations from either your PC or terminal.*
- ▶ *Rack organisation and modular function allows for network growth and control.*
- ▶ *Pre-program groups for specific switching times.*
- ▶ *Alarm and monitoring options alert operators to system failures and problems.*
- ▶ *Wide selection of NSS Cards allows for extensive compatibility to other devices.*

Overview

With the Network Switching System, you have the luxury of switching, accessing, or monitoring the operations of an entire network — without being on-site.

With its programmable switching control, you can set your NSS to switch at any time of day or night. There's no need to be there, or hire another to complete the desired function.

Control your NSS from your PC or terminal. This provides access to an unlimited number of sites, each of which can be accessed by an unlimited number of operators. Or, if you're on-site, flip the toggle switches located on the NSS.

The NSS provides virtually unlimited flexibility and user control. A large variety of interfaces,

including RS-232, V.35, coax, twinax, and Ethernet are available for your particular network. This allows for up to 64 racks and 1024 A/B switching cards.

Customers also have the option of installing an alarm detection device in their particular NSS. This assists operators in identifying, locating, and correcting any faults that occur. This system also prioritises alarms, allowing users to address instantly the most potentially damaging problems.

Should a power failure occur, the NSS makes it

possible to switch immediately to a backup line. If fail-safe power is required, the Redundant Power Supply must be used.

If needed, PC-controlled systems contain additional management capabilities, such as compiling data, logging performance rates, and troubleshooting. Thorough statistical analysis and graphs are available for alarms and switching on daily, weekly, and monthly bases.

Typical Application

Use your NSS to switch a system during late-night, weekend, or holiday hours. This eliminates the need for you to be there or to hire an outside person to perform the switch.

Technically Speaking

A Power Supply Card is included with the Rack, and a spare is also available. To switch a Rack automatically, at least one Master Control Card with Monitor Port must be installed. All other switching cards must be ordered separately.

The Power Supply Card has 2 DB25, 1 RJ-11, and 1 DB15 for different types of port monitoring.

PC-controlled systems require a specific software system. Operator control is menu-driven with help instructions provided. You will also need a Master Control Card on your

PC and an Extension Control Card in the System's Chassis.

Installation is easy — plug the interface Cards into the back of the NSS. You don't have to disconnect any wires or power-down to alter the system.

Additional equipment you may need:

- Master Control Card
- Extension Control Card
- Spare Power Supply Card
- Various interface cards, including 232, V.35, X-232, Coax BNC, Twinaxial, DB9, DB15 (T-1), RJ-11, RJ-45

Specifications

Operating Temperature — (0 to 50° C)

Power — 115/230 VAC, 60/50 Hz

Speed — For terminal-to-switch communications 300-900 bps; For cards: As specified by interface

Size — Chassis: 17.8H x 48.3W x 20.3D cm (7"H x 19"W x 8"D)

Weight — Chassis: 4.1 kg (9.1 lb.); Power Supply Card: 0.5 kg (1 lb.);

Interface — Terminal to switch: RS-232/V.24, V.25, Coax BNC, Twinax, WANG® compatible, RJ-11, RJ-45, Voice frequency terminal strip

For these and other components...

Call our expert Technical Support Staff for all your Switching needs on 0118 965 6000. They'll help you find the best equipment for your application.

Ordering Information

This information will help you place your order quickly.

PRODUCT NAME	ORDER CODE
<i>Order the Network Control Switching Chassis (a Power Supply Card is included)</i>	
Network Control Switching System Chassis	SM600AE
Power Supply Card (spare)	SM621C
<i>... next, order the Master Control Card</i>	
Master Control Card with Monitor Point	SM617C
<i>... then order the Rack Cards you need</i>	
AB-232 12-Conductor Card	SM603C
with Alarm and Monitor Card	SM604C
AB-232 24-Conductor Card	SM605C
with Alarm and Monitor	SM606C
AB V.35 18-Conductor Card	SM601C
with Alarm and Monitor	SM602C

X-232 24-Conductor Card	SM607C
AB Coax BNC Card.....	SM608C
AB Twinaxial Card (2-slot).....	SM609C
AB WANG Compatible BNC/TNC Card	SM610C
AB Double Coax Card	SM611C
AB RJ-11 (4-wire) Card	SM612C
AB RJ-45 (8-wire) Card	SM613C
AB V.F 4-Conductor Terminal Strip	SM614C
AB DB9 Card	SM615C
AB DB15 (T-1) Card.....	SM616C
Extension Control Card with Monitor Port	SM618C
Blank Panel.....	SM518