HiPer ARC NAC

Hardware Installation Guide

P/N 1.024.1308-00

For installation, you will need ...

- A #2 Phillips-head screw driver

- A flat-head screw driver

Function

The HiPer Access Router Card (HiPer ARC) Network Application Card (NAC) is a RISC based version of the NETServer PRI NAC.

The HiPer ARC provides terminal server and remote access services via analog and digital modem connects in a multi-protocol LAN/WAN networking environment.

Compatibility

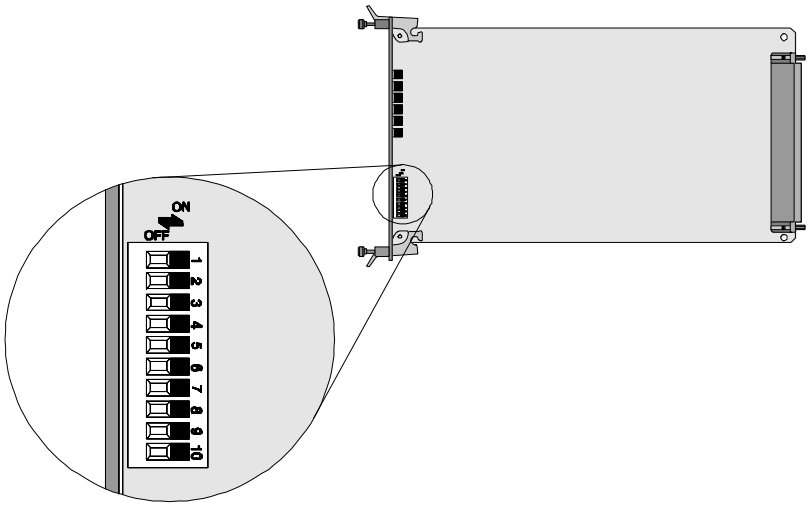
The HiPer Access Router NAC is compatible with the following NIC(s):

- PCI Dual 10/100Base-T Ethernet NIC

Installation

ESD WARNING: To prevent electrostatic discharge (ESD), ground yourself before handling the NAC.

1. Install the NIC corresponding to this NAC. See the NIC's hardware installation guide.
2. Configure the NAC.

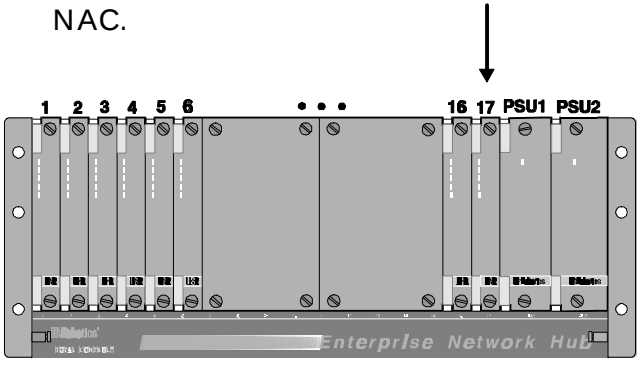


DIP Switch	Function
1,2	NAC User Interface Port Rate
	DIP1 DIP2 Selects OFF OFF 9600bps OFF ON 19200bps ON OFF 57600bps ON ON 115200bps
3-10	Reserved. The default is OFF. **Note:** Do not change these switch settings.

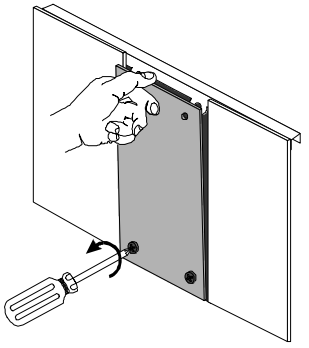
3 Select the appropriate slot at the front of the chassis in which to install the NAC.

This NAC can be installed in slots: 1-16

Note: For managed chassis, slot 17 is reserved for the NMC NAC.



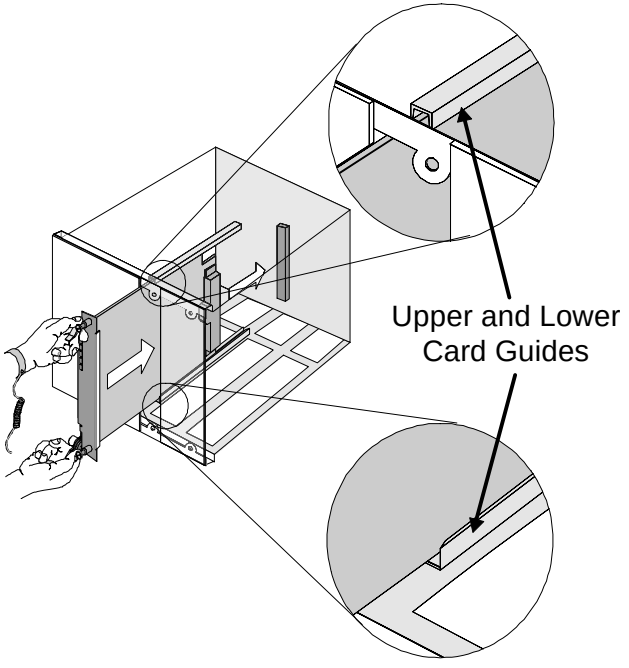
4 Remove the safety panel covering this slot.



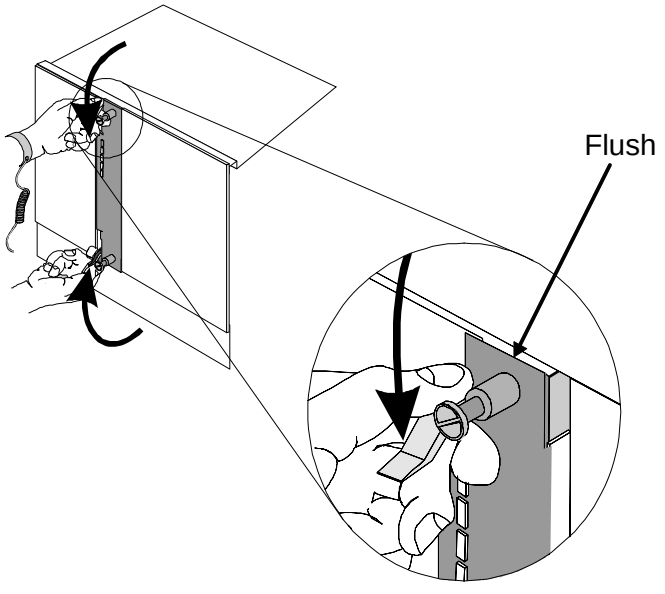
5 Install the NAC in the appropriate slot in the chassis.

Note: It does not matter if the chassis is powered before the NAC is installed.

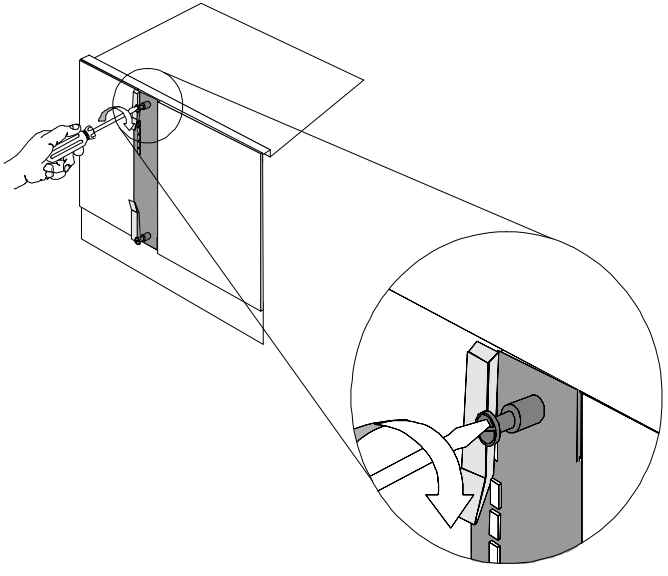
A



B



C

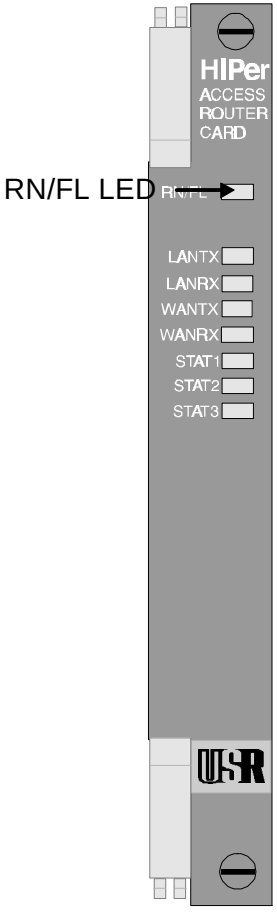


6 Cover any unused slots with safety panels.

7 Apply power to the chassis if it isn't already powered.

8 After the NAC boots verify that the RN/FL (run/fail) LED is green and now consult the NAC's reference guide to complete installation. If it is not, proceed to the Troubleshooting section of this guide.

Note: The HiPer ARC RN/FL LED will alternately flash red and green if the HiPer ARC does not detect its corresponding NIC upon installation.


RN/FL LED
HIPer
ACCESS
ROUTER
CARD
RN/FL
LANTX
LANRX
WANTX
WANRX
STAT1
STAT2
STAT3

Troubleshooting

Problem: The NAC's RN/FL LED is solid red.

Diagnosis: This is known as a critical failure.

Make sure NIC is installed properly. Remove the card from the slot and reinstall it following the instructions in this guide.

If the problem persists after the HiPer ARC goes through its boot-up routine, contact the 3Com Technical Support Department at 800-231-8770.

Technical Specifications

Certification

EMI/RFI	• FCC 15A
	• EN55022 A
Immunity	• No immunity
Safety	• UL 1950
	• C-UL
	• EN 60950
	• JATE
Telco	• FCC 68
	• IC CS-03

Processor

PowerPC RISC CPU

Operational Memory

L2 Cache	512 KB
Dynamic Random Access Memory (DRAM)	168-pin 64 MB EDO DRAM DIMM, upgradeable to 128 MB
Flash Read Only Memory (Flash ROM)	8 MB
BIOS Read Only Memory (BIOS ROM)	128K x 8

Physical Dimensions

Length:	12.95 in., 32.89 cm
Width:	0.79 in., 2.0 cm
Height:	6.9 in., 17.53 cm

Environment

Shipping and Storage

Temperature:	-25 to 75° C, -13 to 167° F
Humidity:	0 to 100%, Non-condensing

Operating

Temperature:	0 to 40° C, 32 to 104° F
Humidity:	0 to 95%, Non-condensing

NAC Power Requirements

Voltage	Current Draw (Typical Maximum*)
+5VDC	4.0 A

* "Typical Maximum" refers to the maximum current draw under most typical configurations.