

## Fast Remote Access Device (Fast RAD)

The FastRAD offers improvements in data transmission rates and security and replaces the enhanced RAD.

The FastRAD is an integral part of local and remote administration and maintenance Capabilities of Norstar. It is located on the customer premises and is the physical interface Hardware connection. Remote administration and programming PC applications such as Norstar Remote Utilities,

Customers using the FastRAD with NRU will notice the following enhancements over the previous RAD releases:

- ✓ Reduced operational costs due to faster transmission speeds.
- ✓ Enhanced security with user defined passwords and access lockout.
- ✓ Improved customer satisfaction due to faster response times.
- ✓ Distributor image as a responsive service provider making use of leading edge technology.

The FastRAD is more compact than the existing RAD and is powered through an external Power supply. It can be mounted horizontally with the connectors facing up or vertically with the connectors facing to the right.

The FastRAD is connected to the operations center through the Norstar ICS and the public switched telephone network. Remote communications are provided through a secure data link at speeds up to 14,400 bps. Full duplex communications are provided by an internal modem which supports the V.32/V.32bis protocols. These protocols support modem rates of 14.4k, 9600, and 4800 bps. Since there is no external CO line interfaces built into the FastRAD, the only remote connection can be made through an ICS line.

The FastRAD also provides access from a local terminal. The local terminal connects to the FastRAD through an RS-232 port running at 300, 1200, 2400, 4800, 9600 or 19,200 baud. The design and operation of the FastRAD assumes that only one FastRAD will be connected to the ICS.

An optional software key code can be purchased to enable the Internal RAD (IRAD) of the Compact ICS.



## Norstar FAST RAD (Remote Access Device) NT8B80AA

### Features:

- ✓ The Fast Remote Access Device (FastRAD) is an integral part of local and remote administration and maintenance capabilities of Nortel Norstar telephone systems.
- ✓ PC applications such as Norstar Remote Utilities Software use a modem to call and connect to the FastRAD II at the Nortel Norstar system.
- ✓ The FastRAD II modem will support baud rates from 4800 - 14,400 for external connections and 300 - 19,200 for local or direct connections.
- ✓ The FastRAD II is connected to the Nortel Norstar system using a TCM port, and answers a call on the Norstar system trunk line using its built-in modem.
- ✓ Nortel FastRAD II is compatible with the following systems:
  - 3x8 DR5.1
  - 6x16 DR2 or higher
  - 8x24 DR2 or higher
  - CICS 1.0 or higher
  - MICS 1.0 or higher
  - MICS XC 1.0 or higher



## Norstar RAD (Remote Access Device) NT8B80

### Features:

- ✓ Provides remote access for maintenance and programming to norstar systems
- ✓ Requires one unused station port
- ✓ Can provide auto answer capabilities
- ✓ Norstar Manager software required for remote programming
- ✓ Not compatible with remote set or remote tools software
- ✓ Norstar Remote Access Device RAD is compatible with the following systems:
  - 3x8 DR5.1
  - 6x16 DR2 or higher
  - 8x24 DR2,3,5,5.1
  - MICS 1.0 & 1.1
  - MICS XC 1.0 & 1.1

