



CA-80724-100

MCN Advanced Client-Server System with HIB-IPs

PC Client Display Overview

The Client PC display features real-time status monitoring and control of the modules on the MCN network. The client display opens a display screen from the server and accepts status updates from it.

Control functions such as Force-Vote or Disable for comparators, Open for doors or Run/Stop for generators are passed to the server for processing.

Local Display

The server software includes local display & control capability.

Receiver Failure and Error Logging

The MCNRCD Server software can log receiver failures and other user-defined errors. The error log can aid in diagnosing intermittent receivers or phone lines. Logging can be sent to:

- PC Screen
- Disk
- Printer
- Email

Multiple Network Interfaces

The MCN Advanced Server can support multiple network interfaces. It can connect to a local network using an internal PCLTA card and remote networks using the external HIB-232 or HIB-IP network interface units.

Multiple remote comparator sites can be connected over an IP infrastructure using multiple remote HIB-IP units.

Complex System Support

The MCN Advanced Server can work with the full range of MCN modules. EXB Network Extenders can be used in complex systems to link remote comparator or alarm sites via analog lines, asynchronous serial channels, microwave, T1 / E1, WAN IP or fiber networks.

Part Number	Network Interface Included
S1-61226	HIB-232 78K (External via RS-232)
S1-61227	PCLTA 78K (Internal PCI)
S1-61228	PCLTA 1250 (Internal PCI)
S1-61230	HIB-IP 78K (External – via IP)
S1-61162	None For use with external HIB-IP units. Purchase HIB-IP units separately.

Client Specifications

Application type	Native 32 Bit Windows Application
Operating Systems	Windows 2000, XP
PC Requirements (min.)	Pentium 4 1GHz, 256 MB Appropriate IP network card

Advanced Server Specifications

Application type	Native 32 Bit Windows Application
Operating Systems	Windows 2000, XP, Server 2003
PC Requirements (min.)	Pentium 4 2 GHz, 512 MB Open PCI slot for PCLTA (MCN Network Card) 100Base-T NIC
MCN Networks Supported	Versions available for 78Kb (standard) or 1.25 Mb (high-speed)
Multiple Comparator Site Support	Yes, with remote HIB-IP units over IP channels; or with EXB Network Extenders for Analog lines, or Serial, Ethernet or Fiber Channels
Clients Supported:	Base system: 4 Expandable to 64 with additional Client Packs
Multiple Network Interface Support software capability	Base system: 4 Expandable to 64 with additional Network Interface Support Packs Purchase additional external Network Interfaces as required.
Transport Protocol	UDP-IP Unicast and UDP-IP Multicast
Number of receivers or I/O blocks monitored	with 78k PCLTA: 128 with HIB-IP: 128 per HIB-IP with 1250 PCLTA: 1024 System total: 5760 min.
Maximum receivers or I/O points per window	Over 400, depending upon screen resolution and length of names
Receiver Names, Channel Titles & Display Grid	User Configurable
Status Messages & Colors	User Configurable