HIB-IP 8002™ Remote Network Interface
For MCN™ Monitoring and Control Systems

CTI Products, Inc.

1211 West Sharon Road
Cincinnati, Ohio 45240
USA

phone

+1.513.595.5900

fax

+1.513.595.5983

e-mail

info@ctiproducts.com

www.ctiproducts.com

Introduction
The HIB-IP 8002™ Network Interface Module is part of CTI Products' Monitoring and Control Network (MCN™) System. It connects a PC running the MCNRCD software to a remote MCN network over an IP network. The HIB-IP 8002™ unit is a newer version of the HIB-IP and HIB-IP 8000 modules. It is compatible with Motorola Solutions, Inc. Astro® 25 Radio Network Infrastructure (A7.13 and up).

Remote Comparator & I/O Control
A Monitoring & Control Network will have various Input/Output modules (such as CIB, AIB and General Purpose I/O modules) connected to comparators and other alarm points and relays.

The HIB-IP 8002 module can be installed on a local or a remote MCN network. It brings the status indications for the devices connected to the MCN I/O modules back to the PC over an IP (LAN or WAN) network. It also allows the operator to control the I/O modules.

PC Connection & Security
The HIB-IP 8002 unit can connect with one PC at a time. For security, it contains a user-configurable PC Authorization list which contains the IP addresses of all authorized PCs.

Multiple Simultaneous PC Displays
Multiple simultaneous PC display positions are supported in the MCN system in several ways:

- HIB-IP 8002 module with the MCN Server PC with multiple PC clients connecting to the Server

- Multiple HIB-IP 8002 units (one per PC)

Full parallel status and control on all PCs is supported.

Compatibility
The HIB-IP 8002 unit is fully compatible with the following:

- CIB and AIB Comparator Interface Modules

- GPIO and IOB I/O Modules

- MCN 78K EXB Network Extenders

Software Support
The HIB-IP 8002 unit works with the following software:

- MCN RCD Standard Vers 7.20 & up

- MCN Server (and Advanced Server) Vers 7.20 & up
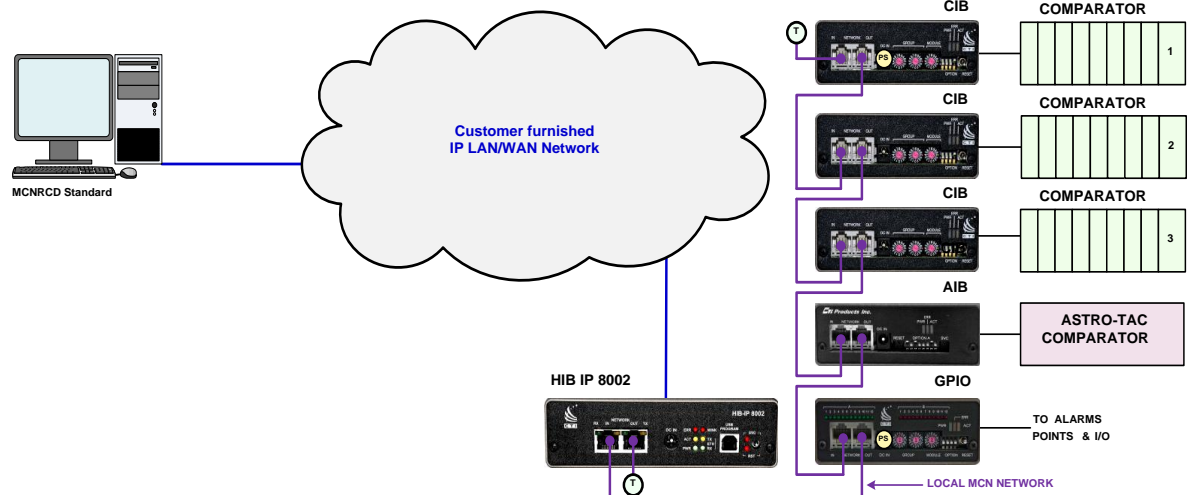
- MCN Server 8000 Vers 7.20 & up

General Specifications

Size (MCN Size B)	7.5" D x 5.6" W x 1.6" H (191 x 142 x 41 mm)
Weight	2 lbs. maximum (906g)
Environmental	0-60°C at 10-95% relative humidity, non-condensing
MCN Network	Standard 78K
MCN Network Connectors	(2) RJ-45 (1 in, 1 out)
IP Network Transport	UDP/IP over Ethernet
IP Addressing Modes	Static IP Address for HIB-IP & PCs– user configurable
UDP Ports	Legacy or HIB-IP 8000 port - user configurable
Ethernet	100Base-TX FDX Auto-MDIX
Compatibillity with Motorola Solutions Inc. Astro™ 25 Radio Network Infrastructure (RNI)	Astro™25 RNI V7.13 and up (using HIB-IP 8000 UDP port mode)
Security	PC Authorization List – User Configurable Configuration: Password protected
PC Connections	One connection at a time to an Authorized PC
Power Input	12 to 30 VDC, 1A Maximum 3 watts maximum internal dissipation Can use or supply DC power to the MCN network
Safety Approvals to	UL 60950-1 CSA C22.2#60950-1 IEC 60950-1
Emissions Compliance	FCC part 15 Class A Industry Canada (IC) Class A EN55022 Class B Aus/NZ: CISPR11:2010
EN 55024 -ITE Immunity:	EN61000-4-2 ESD EN61000-4-3 Radiated EN61000-4-4 EFT EN61000-4-5 Surge EN61000-4-6 Conducted EN61000-4-8 Magnetic EN61000-3-2 inc. A2:2009 Harmonic Current Emissions EN61000-3-3 Flicker Voltage Fluctuation
RoHS Compatible	Yes