



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



### 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 The HIB-IP 8002™ unit is a newer version of the HIB-IP and HIB-IP 8000 modules.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

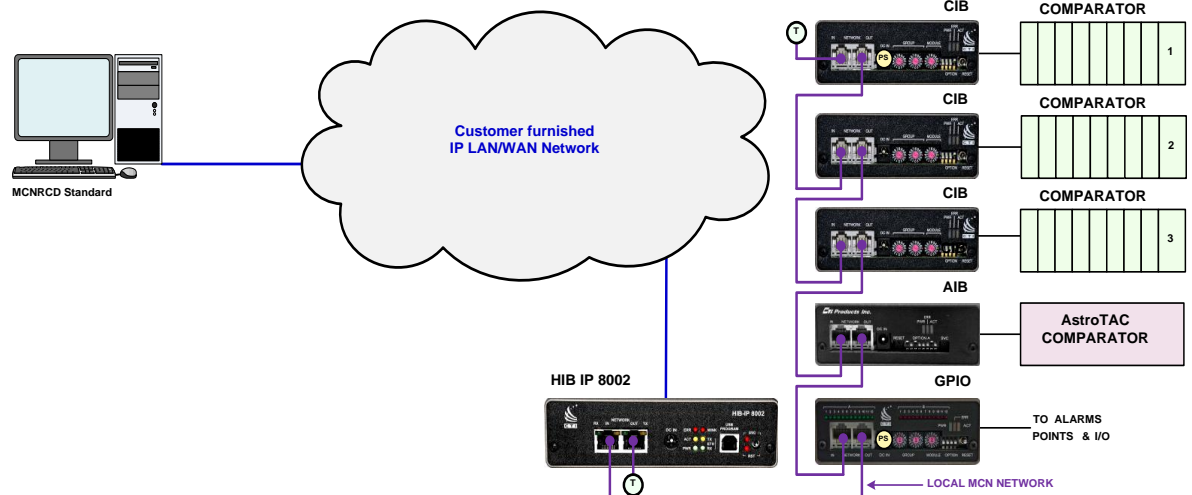
**CTI Products, Inc.**  
1211 West Sharon Road  
Cincinnati, Ohio 45240  
USA

phone  
+1.513.595.5900

fax  
+1.513.595.5983

e-mail  
info@ctiproducts.com

www.ctiproducts.com



**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
Compatibility 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

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