

5. Read [Section 7](#) if system repair or replacement is needed.
6. Refer to [Section 8](#) for ordering information, training and documentation.

REFERENCE DOCUMENTS

Table 1-1 lists documents with additional information that is related to the INFI-NET to INFI-NET interfaces.

Table 1-1. Reference Documents

Document Number	Title
I-E96-200	Function Code Application Manual
I-E96-309	Digital Slave I/O Module (IMDSM05)
I-E96-310	Digital Slave Output Module (IMDSO01/02/03)
I-E96-313	Digital Slave Output Module (IMDSO04)
I-E96-401	Multi-Function Processor Termination Module (NIMP01/02)
I-E96-408	Communication Termination Module (NICL01)
I-E96-422	Communication Termination Unit (NTCL01)
I-E96-428	Multi-Function Processor Termination Unit (NTMP01)

NOMENCLATURE

Table 1-2 lists nomenclatures associated with the INFI-NET to INFI-NET interfaces.

Table 1-2. Nomenclature

Nomenclature	Description
IEMMU01	Module mounting unit, rear mount
IEMMU02	Module mounting unit, front mount
IMDSM05	Digital slave I/O module
IMDSO01	Digital slave output module
IMDSO02	Digital slave output module
IMDSO03	Digital slave output module
IMDSO04	Digital slave output module
INIIL02	INFI-NET to INFI-NET local interface
INIIR01	INFI-NET to INFI-NET remote interface
INIIT02	INFI-NET to INFI-NET transfer module (remote)
INIIT03	INFI-NET to INFI-NET transfer module (local)
INNIS01	Network interface slave module
NFTP01	Field termination panel
NICL01	Communication termination module

Table 1-2. Nomenclature (continued)

Nomenclature	Description
NIMP01	Multi-function processor termination unit
NKLS01	Termination cable, INNIS01 to NTCL01 (PVC)
NKLS02	Termination cable, INNIS01 to NICKL01 (PVC)
NKLS11	Termination cable, INNIS01 to NTCL01 (non-PVC)
NKLS12	Termination cable, INNIS01 to NICKL01 (non-PVC)
NKMR02	RS-232-C cable, DB9 to DB25
NKTM01	Termination module cable, INIIT02 to NIMP01 (PVC)
NKTU01	Termination unit cable, INIIT02 to NTMP01 (PVC)
NKTU02	Termination module cable, INIIT02 to NIMP01 (PVC)
NKTU11	Termination unit cable, INIIT02 to NTMP01 (non-PVC)
NKTU12	Termination module cable, INIIT02 to NIMP01 (non-PVC)
NTCL01	Communication termination unit
NTDI01	Digital I/O termination unit
NTMP01	Multi-function processor termination unit
NTMU01	Termination mounting unit, rear mount
NTMU02	Termination mounting unit, front mount

GLOSSARY OF TERMS AND ABBREVIATIONS

Table 1-3 lists definitions of terms used in this manual.

Table 1-3. Glossary of Terms and Abbreviations

Term	Definition
ACK	Acknowledge. Destination node received message.
Controlway	High-speed, redundant, peer-to-peer communication link. Used to transfer information between intelligent modules within a process control unit.
Exception Report	Information update generated when the status or value of a point changes by more than a specified significant amount; abbreviated as XR.
MMU	Module mounting unit. A card cage that provides electrical and communication support for INFI 90/Network 90 [®] modules.
NAK	Negative acknowledge. Destination node did not receive message, or error occurred.
Node	A point of interconnection to a network.
NVRAM	Nonvolatile random access memory. Memory that retains stored information when power is removed.
Termination Module	Provides input/output connection between plant equipment and the INFI 90/Network 90 modules.
Termination Unit	Provides input/output connection between plant equipment and the INFI 90/Network 90 modules.

[®] Network 90 is a registered trademark of Eltag Bailey Process Automation.

SPECIFICATIONS

Table 1-4 contains INFI-NET to INFI-NET interface module specifications.

Table 1-4. Specifications

Property	Characteristic/Value												
INNIS01 module													
Power requirements	<table border="1"> <thead> <tr> <th>Voltage (VDC)</th> <th>Current (mA)</th> <th>Power (W)</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>900</td> <td>4.5</td> </tr> <tr> <td>+ 15</td> <td>5</td> <td>0.075</td> </tr> <tr> <td>- 15</td> <td>200</td> <td>3.0</td> </tr> </tbody> </table>	Voltage (VDC)	Current (mA)	Power (W)	5	900	4.5	+ 15	5	0.075	- 15	200	3.0
Voltage (VDC)	Current (mA)	Power (W)											
5	900	4.5											
+ 15	5	0.075											
- 15	200	3.0											
Memory	128 kbytes processor RAM 80 kbytes other RAM 64 kbytes processor ROM												
Communication rates	2 Mbaud or 10 Mbaud												
System capability	62,500 system nodes, 250 nodes per loop												
Mounting	Occupies one slot in a standard INFI 90 module mounting unit												
INIIT02 module													
Power requirements	<table border="1"> <thead> <tr> <th>Voltage (VDC)</th> <th>Current (mA)</th> <th>Power (W)</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>2</td> <td>10</td> </tr> </tbody> </table>	Voltage (VDC)	Current (mA)	Power (W)	5	2	10						
Voltage (VDC)	Current (mA)	Power (W)											
5	2	10											
Memory	256 kbytes ROM 512 kbytes RAM 256 kbytes NVRAM												
Ports	2 full duplex serial EIA standard RS-232-C												
Communication rates	75 to 19,200 baud (user-selectable)												
Mounting	Occupies one slot in a standard INFI 90 module mounting unit												
INIIT03 module													
Power requirements	<table border="1"> <thead> <tr> <th>Voltage (VDC)</th> <th>Current (mA)</th> <th>Power (W)</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>2</td> <td>10</td> </tr> </tbody> </table>	Voltage (VDC)	Current (mA)	Power (W)	5	2	10						
Voltage (VDC)	Current (mA)	Power (W)											
5	2	10											
Memory	2 Mbytes RAM 512 kbytes ROM												
Mounting	Occupies one slot in a standard INFI 90 module mounting unit												
All INFI-NET interface modules													
Electromagnetic/radio frequency interference	Values are not available at this time. Keep cabinet doors closed. Do not use communication equipment any closer than 2 meters from the cabinet.												
Ambient temperature	0° to 70°C (32° to 158°F)												
Relative humidity	0% to 95% up to 55°C (131°F) noncondensing 0% to 45% above 55°C (131°F) noncondensing												
Atmospheric pressure	Sea level to 3 km (1.86 mi)												
Air quality	Noncorrosive												
Certification	All INFI-NET interface modules are CSA certified for use as process control equipment in an ordinary (nonhazardous) environment.												

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE