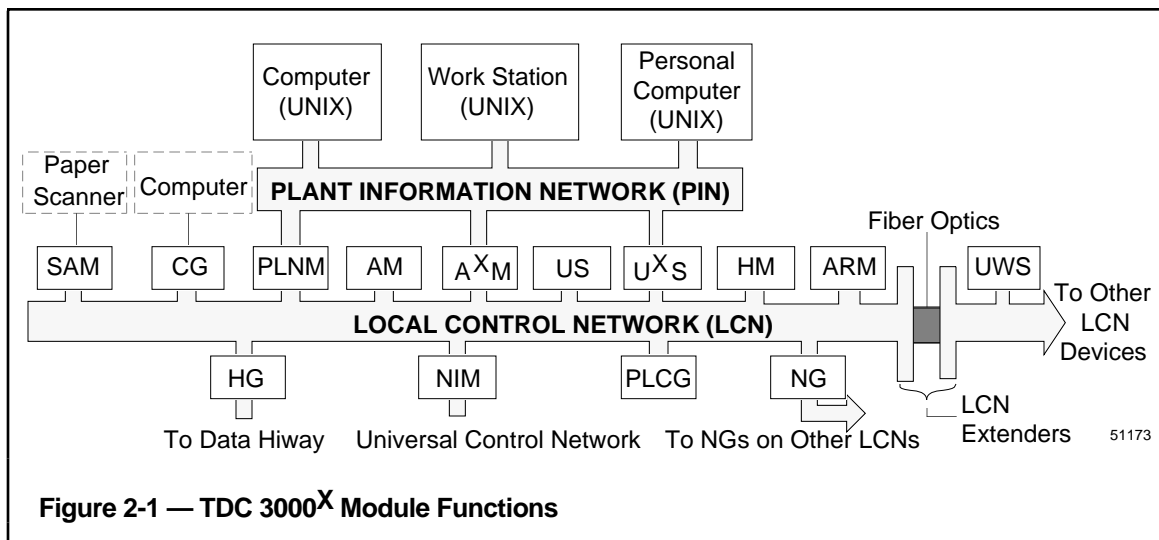# MODULE DESCRIPTION
Section 2

2.1 GENERAL DESCRIPTION

The Five- and Ten-Slot Modules are configured to perform various functions, such as Applications, Gateways, History, and Universal Stations in the TDC 3000^X system. Each module occupies a specific address (node) on the Local Control Network (LCN). Figure 2-1 shows the module functions within a typical TDC 3000^X system.

The configuration flexibility is because of the inter-changeability of the component card assemblies (boards) in the module. In addition to the boards within the module, there are also companion input-output (I/O) boards mounted in a chassis on the rear of the module. The I/O boards facilitate interconnection of the module to the LCN or with the Data Hiway, Universal Control Network (UCN), external devices, and communication lines. The module also contains a power supply, located in the bottom of the unit, and a cooling-fan assembly, located on the right side.

Figure 2-1 — TDC 3000^X Module Functions

The modules are designed to be mounted in the Honeywell TDC 3000^X system equipment cabinet and Universal Station console bays that conform to the industry standard 19-inch rack mount. If mounting racks other than Honeywell's are used, care must be taken to ensure that the cooling-fan air flow is not blocked and that adequate air filtration is provided.

Table 2-5 — I/O Board or Paddle Board Types (Continued)

Board Type	Description		Part Number
FDC I/O	Floppy Disk Controller I/O		51109336-100
FOC/RCVR	Fiber Optic Link Receiver Board	EC	51304161-400
FOC/XMTR	Fiber Optic Link Transmitter Board	EC	51304161-300
FOCR	Fiber Optic Clock Receiver		51304161-200
FOCT	Fiber Optic Clock Transmitter		51304161-100
HDDT I/O	Hard Disk Drive Tray I/O		51402176-100
HDDT I/O	Hard Disk Drive Tray I/O Board	EC	51304913-200
LCN I/O	Local Control Network Interface I/O		51107403-100
LCNE	Local Control Network Extender		51109881-100
LCNE2	Newer version of LCNE		51304540-100
LCNE2	LCN Extender	EC	51304540-200
LCNFL	Local Control Network Fiber Optic Link		51108899-100
LCNFL	LCN Fiber Optic Link	EC	51108899-200
MCPU I/O	Processor "typer" I/O (with clock source and RS-232C interface)		51107754-100
MCPU I/O	Processor "typer" I/O (with RS-232C interface only)		51107954-100
NG FOM	Network Gateway Fiber Optic Modem EC (Order from CD Networks as part number 2005A-Honeywell Special)		
NGIO	Network Gateway I/O Board		51304472-100
NIM MODEM	NIM Modem I/O board (put in PNI I/O slot)		51304511-100
NIM Modem	NIM Modem I/O	EC	51304511-200
PLCG Relay	Programmable Logic Controller Gateway Relay Board		51304421-100
PLCG Relay	Programmable Logic Controller Gateway Relay Board	EC	51304421-200
PLCI I/O	Programmable Logic Controller Interface I/O		51195096-100
PLCI I/O	Programmable Logic Controller Interface I/O Board	EC	51195096-200
PNI I/O	Process Network Interface I/O		51303944-100
PNM I/O	Process Network Modem I/O		51303947-100

(Continued)