

---

### **Workstation and serial printer connection**

Connections for workstations, serial printers and other serial devices are provided via Datacommunications and Terminal Controllers (DTCs) that are distributed over an IEEE 802.3 standard Local Area Network (LAN). This flexible connection scheme allows DTCs to be situated in the department that they serve, saving the cost and effort of running cables from the system processing unit to each workstation. The DTC 48 can support up to 48 directly connected ports or 36 modem ports. A LAN/Console card is integrated into the system for connection to the DTC LAN, connection to the system console and system-to-system datacommunications, if desired.

PCs can also be connected to the HP 3000 through HP LAN Manager and Novell Netware LANs. Physical connections can be via HP EtherTwist which is a local area networking scheme using unshielded twisted pair (or phonewire). Both workstations that are connected via a DTC, and PCs that are connected via a LAN can communicate with HP 3000 systems and servers sharing the same LAN.

### **Systems Management**

The HP 3000 Corporate Business Systems have robust functionality for managing large data center environments. Available from Hewlett-Packard and its third party partners is a wide variety of systems management solutions in the areas of performance management, system accounting and configuration, security, availability, operations control and storage management.

#### **HP OpenView Systems and Network Management**

HP OpenView System Manager provides a flexible, integrated approach to systems and network management and a consistent management framework for an organization's entire network of information and computing resources. Through exception-based system management, operators are notified of system events graphically and automatically by the HP OpenView network map. Operators can define which events to report, providing flexibility and eliminating unwanted notifications. The HP OpenView console is a version of HP OpenView System Manager that provides the benefits of OpenView for a single HP 3000 system. Task-based filtering of events lets the operator focus on specific categories of messages all at once, e.g. all tape messages or all printer messages, and an automatic response feature brings the system one step closer to being self-managing. The HP OpenView console is standard on the DX version of the Corporate Business System.

### **High Availability**

The HP 3000 Corporate Business System meets the high availability requirements of mission critical applications through a variety of software and hardware elements. This system features error correction for the system bus and main memory, a battery backup capability, and redundant I/O channels. In the event of a power loss, the powerfail battery backup protects the system. If AC power is lost, the state of the processor is secured in memory for at least 15 minutes. Maximum storage time depends on the amount of memory in the system. If power is restored within this limit, the system restores itself and resumes processing with no loss of data.

Hardware redundancy also extends to on-line storage as available disk arrays provide RAID-3 level data protection. Software provides capabilities for transparent disk mirroring through Mirrored Disk/iX. SPU Switchover/iX detects systems failures and allows for switchover from a primary to a secondary processor in the event of a processor failure. Unplanned downtime is further minimized by AutoRestart/iX which automatically and immediately saves the system state after a software failure, and system availability is further improved by TurboSTORE/iX II, which provides high speed, unattended, on-line backup. TurboSTORE/iX II and AutoRestart/iX are standard on the DX version of the Corporate Business System.