



# OPTIFLEX System E

## The Complete DNC System for Larger or Multi-cell Shops

The OptiFlex E System is a professional grade, Ethernet-based, turnkey DNC system for up to 224 CNCs. If you have up to 224 CNCs on your shop floor and are looking to replace an outdated DNC system or are implementing your first system and need one that can handle a large number of CNCs and multiple cell layouts with Ethernet-based hardware you need an OptiFlex E System. Each system includes DNC-Max Server (from 8 - 224 Ports), DNC-Max Client, and Ethernet to serial cable hubs (1, 2, 4, 8 and 16-Port hubs available). Optionally, you may purchase RS232-Max cable, hand-held terminals, and behind-the-reader (BTR) boards to round out your system.

The system (shown to the right) is designed for shops where the CNCs are located in one or more cells no larger than 200' in size. 200' is typically the maximum distance you should run an RS232 cable. With the OptiFlex E hardware you get up to 224 high speed ports capable of supporting baud rates up to 115k baud per port. Most importantly, OptiFlex E hubs can be placed around the shop floor to minimize RS232 cable runs without regard to the location of the DNC Server.

### Unbeatable flexibility!

The OptiFlex E System is a popular system because it provides for remote RS232 hubs that connect directly to a company LAN backbone via Ethernet. Like the OptiFlex C systems the OptiFlex E allows you to place a 1, 2, 4, 8 or 16-Port Hub next to each CNC or in each cell or group of CNCs and away from the DNC Server. Advantages include RS232 cable length reduction, easy port expansion, and the ability to move the DNC Server PC with no impact to the existing RS232 cabling.

With OptiFlex E, gone are the issues with non-surge suppressed hardware, older serial hardware taxing your PC CPU and system resources, and slow baud rates. DNC-Max provides 32-bit processing power, remote request/auto-receive system in a true client/server architecture. The OptiFlex E hardware provides for interrupt (IRQ) conflict free, high speed, buffered serial ports that facilitate multi-tasking communications with up to 224 CNCs per PC.

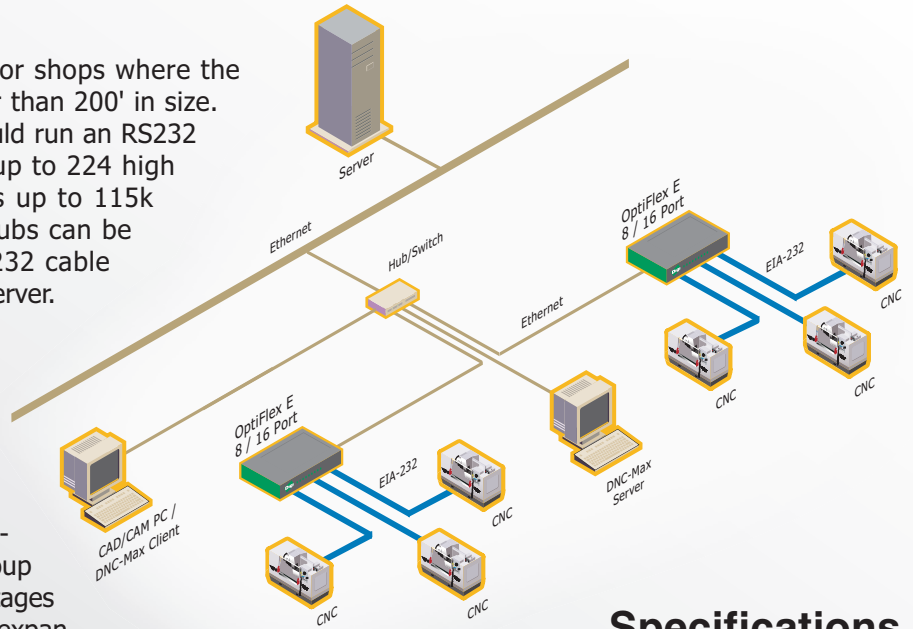
### Why OptiFlex E?

When you invest in an OptiFlex E System you purchase a complete system including DNC-Max, the OptiFlex hardware, and optionally, other interface devices from a single source at the best price-performance of any system on the market.

*Defined: Ethernet-based Systems*

*Ethernet based systems use RS232 hubs that interface to the DNC Server via a remote network hub/switch or directly via a network card (NIC). The OptiFlex E hardware is easily deployed in 1:1, 1:2, 1:4, 1:8, and 1:16-Port Configurations on a LAN, WAN, or across the Internet.*

*NOTE: Due to network latencies care should be taken to make sure the network infrastructure is tuned for maximum throughput.*



## Specifications

### Systems may include:

- DNC-Max 8 to 224-Port Server
- DNC-Max Client
- 1, 2, 4, 8 or 16-Port Serial Hubs
- DB9, DB25 or RJ45 Connectors

### Expansion Options:

- 1, 2, 4, 8 or 16-Port Hubs
- DB9, DB25 or RJ45 Connectors

**OS:** WinNT4.0(SP6), 2000, XP Pro

**Speed:** 10/100 Mbps



# CIMCO Integration

*When Reliability Matters*