



OPTIFLEX System C

The Complete DNC System for Larger or Multi-cell Shops

The OptiFlex C System is a professional grade, conventional PC card-based, turnkey DNC system for up to 128 CNCs. If you have up to 128 CNCs on your shop floor and are looking to replace an outdated DNC system or are implementing your first system and need one that can handle a large number of CNCs and multiple cell layouts you need an OptiFlex C System. Each system includes DNC-Max Server (from 8 - 128 Ports), DNC-Max Client, a PCI serial communications card, and serial cable hubs (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 C hardware you get up to 128 high speed ports capable of supporting baud rates up to 115k baud per port. Most importantly, OptiFlex C hubs can be placed around the shop floor to minimize RS232 cable runs without regard to the location of the DNC Server PC.

Maximum flexibility!

The OptiFlex C System is one of the most popular of all OptiFlex Systems because it provides for remote, fault-tolerant RS232 hubs in a dedicated or closed loop system. Unlike Ethernet Systems, often implemented on top of a company LAN backbone, the OptiFlex C allows you to place an 8 or 16-Port Hub in each cell or centrally, on the shop floor 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.

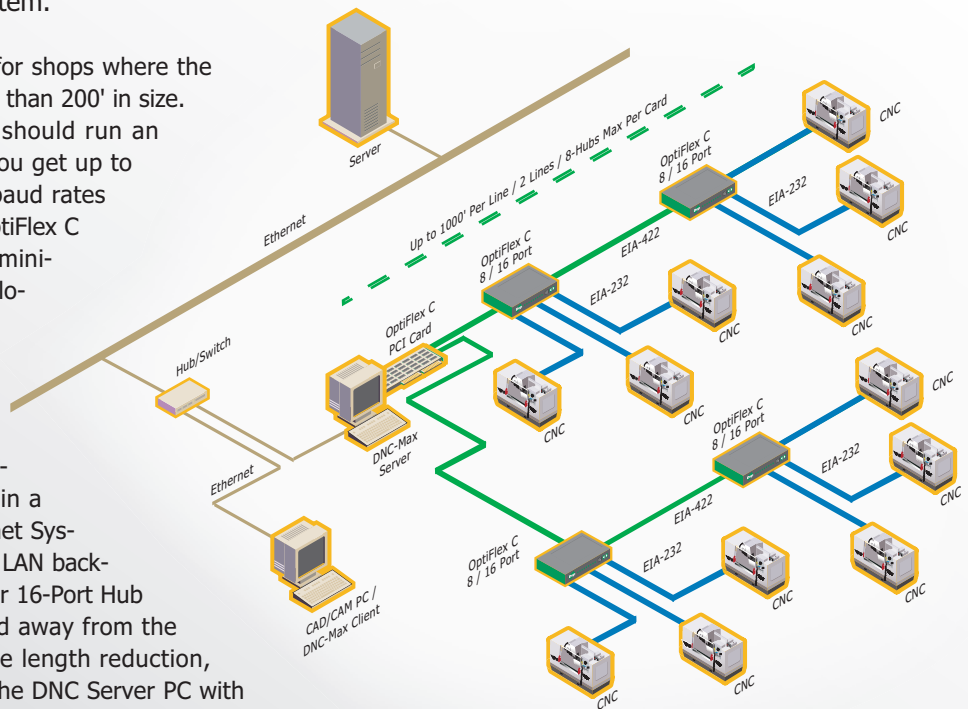
With OptiFlex C, gone are the issues with non-surge suppressed hardware, older serial hardware taxing your PC CPU and system resources, and slow baud rates. DNC-Max provides 32-bit processing power, remote request/auto-receive system in a true client/server architecture. The OptiFlex C hardware provides for interrupt (IRQ) conflict free, high speed, buffered serial ports that facilitate multi-tasking communications with up to 128 CNCs per PC.

Why OptiFlex C?

When you invest in an OptiFlex C 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: Conventional "Closed Loop" Systems vs. Ethernet Systems

A conventional closed loop DNC system uses PC cards or adapters and cable hubs to transmit RS232 data. 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 C hardware, being a closed loop system is immune from network outages, network failures, and network traffic issues that can affect data integrity and transfer performance.



Specifications

Systems may include:

- DNC-Max 8 to 128-Port Server
- DNC-Max Client
- 128-Port PCI Serial Adapter
- 8 or 16-Port Serial Hubs
- 8 or 16, DB25 or RJ45 Connectors

Expansion options:

- Add up to 8 Hubs per Adapter
- 8 or 16-Port Expansion Hubs
- 8 or 16, DB25 or RJ45 Connectors

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



CIMCO
Integration

When Reliability Matters