



OPTIFLEX System W

The Complete WiFi Wireless DNC System

The OptiFlex W System is a professional grade, WiFi (802.11b) wireless, turnkey DNC system for up to 256 CNCs. If you have 1 CNC or 256 CNCs on your shop floor and are looking to implement a wireless system with wireless Ethernet-based hardware you need an OptiFlex W System. Each system includes DNC-Max Server (from 1 - 256 Ports), DNC-Max Client, WiFi wireless Ethernet Access Point, and WiFi wireless Ethernet to Serial Hub (1-Port only). 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. For every 32 CNCs or serial devices on the shop floor a WiFi Access Point is required. From there you can communicate with that cell or group of CNCs up to 300' or 100 meters from the Access Point. With the OptiFlex W hardware you get up to 256 high speed ports capable of supporting baud rates up to 115k baud per port. Most importantly, OptiFlex W wireless Ethernet to Serial Hubs can be eliminate the need for traditional RS232 cable runs.

Unbeatable flexibility!

The OptiFlex W System is the system of the future - today. Like the OptiFlex C and E Systems it provides for remote RS232 hubs that connect directly to a company LAN backbone via WiFi wireless Ethernet connections. Like the OptiFlex E systems the OptiFlex W allows you to place a 1-Port Hub next to each CNC. However, with your OptiFlex W System you can move machines and serial devices around the shop floor without the need to re-cable.

OptiFlex W Systems provide surge suppression and the added safeguard of not having to worry about voltage spikes traveling up RS232 cables to your DNC Server, LAN hardware, or CNC control. OptiFlex W Systems also provide you with efficient PC operations and require minimal CPU time and system resources. DNC-Max provides 32-bit processing power, remote request/auto-receive system in a true client/server architecture. The OptiFlex W hardware provides for interrupt (IRQ) conflict free, high speed, buffered serial ports that facilitate multi-tasking communications with up to 256 CNCs per PC.

Why OptiFlex W?

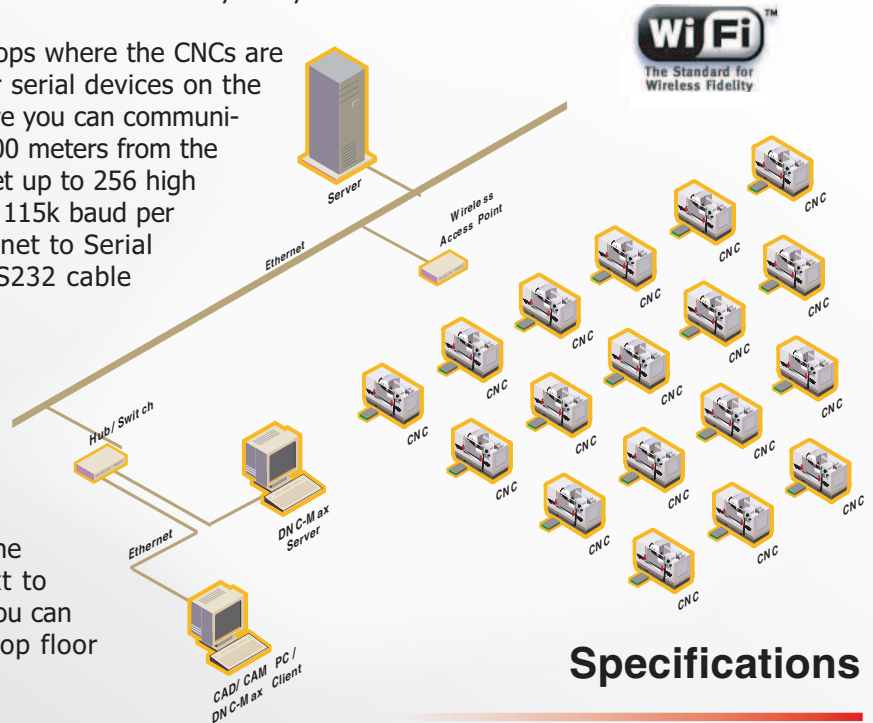
When you invest in an OptiFlex W System you purchase a complete system including DNC-Max, the OptiFlex hardware, and optionally, other interface devices from a single source at the best price-performance of any system on the market.



Defined: WiFi wireless Ethernet-based Systems

The 802.11b wireless Ethernet Standard, called WiFi, is a standard for wireless network communications. All that is needed is a WiFi Access Point (hub) and WiFi wireless Ethernet to Serial Hubs (converters). The OptiFlex W hardware is easily deployed in 1:1 Configurations on a LAN, WAN, or across the Internet.

NOTE: CIMCO recommends that you limit the number of OptiFlex W hubs to 32 per Access Point to ensure adequate data throughput.



Specifications

Systems may include:

- DNC-Max 1 to 256-Port Server
- DNC-Max Client
- 1 or more 32-Port WiFi Access Points
- 1-Port WiFi Ethernet to Serial Hub
- DB9 Connector

Range:

300'/100 Meters

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

Encryption: 128-bit



CIMCO Integration

When Reliability Matters