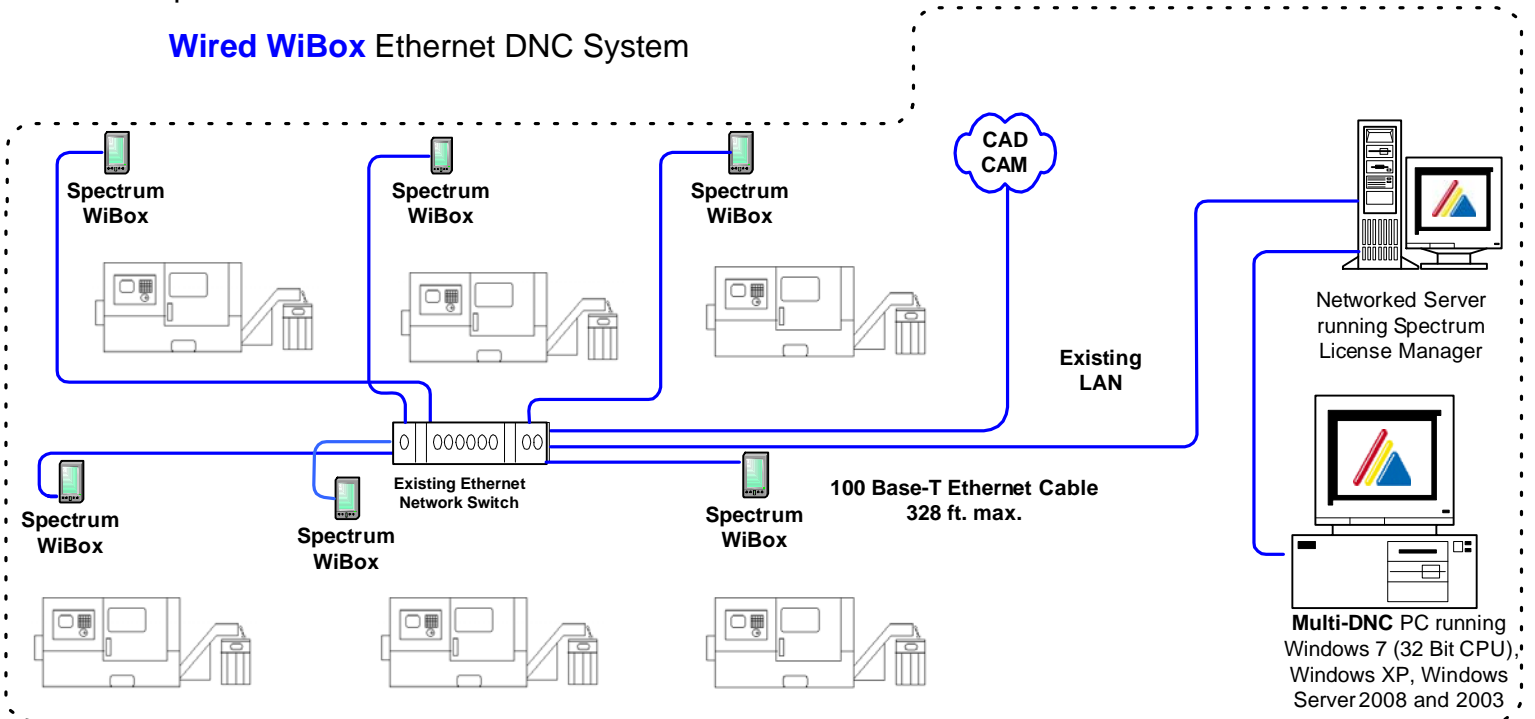


Multi-DNC System using the Spectrum WiBox

This diagram shows a Spectrum WiBox device mounted at each CNC Machine. Each WiBox Ethernet port is individually connected to a shop floor network switch that is part of the existing company LAN. The Multi-DNC PC also has a connection to the company LAN. The software drivers for the WiBox devices are installed on the DNC PC so that Multi-DNC can use those COM ports.

Wired WiBox Ethernet DNC System



The Spectrum WiBox devices are mounted inside the CNC control box at each CNC Machine. Each WiBox unit has a unique IP Address. The WiBox units are powered by a 9v - 30v DC or AC voltage source within the CNC control. Spectrum supplies an internal RS-232 cable that connects the WiBox to the CNC controls existing RS-232 port. There is also a 2nd RS-232 port on the WiBox that can be used as a spare DNC port or used for the optional SmartBox device. This is a display that enables the CNC operator to easily retrieve CNC programs from Multi-DNC and also send Help request messages back to the DNC PC.

