

Network-DNC

What is special with network-DNC?

DNC5000

leanDNC

Crossgrade-DNC

DNC-In-The-Box® Technology

10 good reasons for DNC-In-The-Box®

All about DNC

For OEMs and large Accounts

Machine Data Collection

Network Adaptors

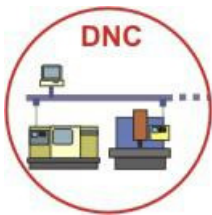
About us

Quotation

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What is special with network-DNC?



WE WERE THE FIRST...

... in the early 90s who introduced the technique of connecting machine tools to networks, at the same time with the use of a "runner" program and direct data base access from the keyboard of the control! These were important factors for the breakthrough of this technology as it reduced the cost of reliable DNC systems considerably, so that it became the industry-standard within a few years after introduction.

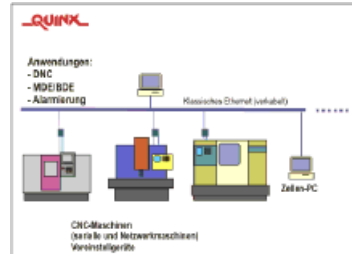
All older controls that only have a serial interface need an adaptor to be connected to the network (see also **DNC-In-The-Box®**). Newer controls very often have their own network ethernet card, but are still managed by a DNC system, as all part programs should be centrally located and backedup.

The Quinx DNC systems can use the special Quinx DNC-In-The-Box® network adaptors but as well standard device servers, such as from W&T, Lantronix, Moxa and others.

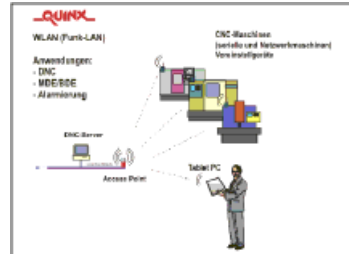
NETWORK: STANDARD ETHERNET OR WIRELESS LAN

Quinx network-DNC systems can use either Wireless LANs or run in standard Ethernet environment, using cable connections right into the cabinet of the controller.

YOUR CHOICE



Classical Ethernet
(cablebound)



Ethernet WLAN (Wireless
LAN)

MAXIMUM SPEED THANKS TO NETWORK CONNECTION

When connected with a DNC network adaptor, the CNCs can retrieve and save files over the network with their maximum speed. This reduces the transfer time considerably, but with guaranteed data integrity. As the network adaptor normally is mounted into the cabinet of the controller, the RS232 cable is only a few centimeters (or a few feet) long which eliminates the risk of noise on the cable and possible data loss (which can cause a crash on the machine).

DATA ACCESS FROM KEYBOARD OF THE CONTROL

Operators can retrieve their programs without leaving the machine by the use of a "dummy" program (or "runner" program). If a program is modified by the operator, he can just save the file by sending it over the RS232 back to the computer. The Quinx DNC takes care that the files are stored under their correct identification in the right place for the right machine.



SAFE DATA TRANSMISSION

The Quinx DNC systems and the adaptors use the standard network protocols TCP/IP. This ensures safe, errorfree data transfer. DNC-In-The-Box® even uses FTP and has the special protocols for Mazak and Heidenhain embedded in the firmware which optimises the data traffic in the network and allows the machines to drip feed with full speed.