DNC Device Server DITB-700
Connect every CNC machine to the LAN

**DNC Device Servers
DITB-702 und DITB-702W**

DITB-700 are Device Servers of a special kind: they are used to connect CNC machines with serial interface to a Local Area or Wireless Network. All DNC-functions (Direct Numerical Control) are part of the DITB-700 firmware and can be used in combination with any standard FTP server software. This family of Device Servers is based on standard and proven hardware from Lantronix. The Quinx DNC-In-The-Box® firmware converts these device servers into smart, dedicated devices that allow to connect to network almost every CNC with little effort. Furthermore, the DITB-700 device servers enable the operators to directly access their part programs right from the keyboard of the control! As FTP server software is multiuser/multithreading capable, many machines can access the computer at the same time — no matter whether this is using a Windows or Unix/Linux based or any other operating system.

The DITB-700 Device Servers store all necessary configuration parameters for a perfect data transfer to and from CNC controls. The devices can easily be configured and modified any time.

DITB-701	Ethernet 10/100 Mb/s, 1 serial interface for DNC
DITB-702	Ethernet 10/100 Mb/s, 2 serial interfaces, one for DNC, 2nd for barcode reader or terminal
DITB-702W	WLAN, Ethernet 10/100 Mb/s, , 2 serial interfaces, one for DNC, 2nd for barcode reader or terminal

DNC Functions

- Program request from control's keyboard
- Automatic distinction between program requests or programs to be saved
- Automatic recognition of program Id from serial data stream
- Support for smart program Ids (up to 40 characters long)
- Elimination of control characters during save operation
- Correct format transmission during load operation
- Drip feeding (if supported by the control)
- Local storage of setting parameters
- Options: Local transmission protocols, such as Heidenhain FE, Mazatrol and others
- Recognition of stop conditions
- FTP transfer via network, automatic establishment and interruption of network socket connections (no Com-Port redirection)

Serial Interface – 2 DB9 DTE serial ports
Serial Port 1: RS-232 for CNC connection
Serial Port 2: RS-232/422/485 software selectable for barcode reader
Data Rates: 300 to 921,600 bps
Characters: 7 or 8 data bits
Parity: Odd, even, none
Stop Bits: 1 or 2
Control Signals: RTS, CTS, DSR, DTR, DCD
Flow Control: XON/XOFF, RTS/CTS
ESD Protection: 4kv direct per port
Security
IEEE 802.11i - PSK with AES-CCMP Encryption
WPA - PSK
TKIP Encryption
128-256 Bit Rijndael AES Encryption, NIST AES FIPS-197 CERT#120
64/128-bit WEP
Network Interface
10/100 Mb/s Ethernet, WBX2100E - 802.11b/g (only DITB-702W)
Connector: Antenna (RP-SMA)
Standards: WPA,WEP, ARP, UDP/IP, TCP/IP, ICMP, SNMP, AutoIP, DHCP, TFTP, Telnet and HTTP
1 RJ45 10/100 Ethernet
CPU: DSTni-EX (enhanced 80186, 88 MHz)
Memory: 256 Kbytes SRAM, 512 Kbytes flash
Management
Lantronix DeviceInstaller GUI, Serial login, SNMP, Telnet login