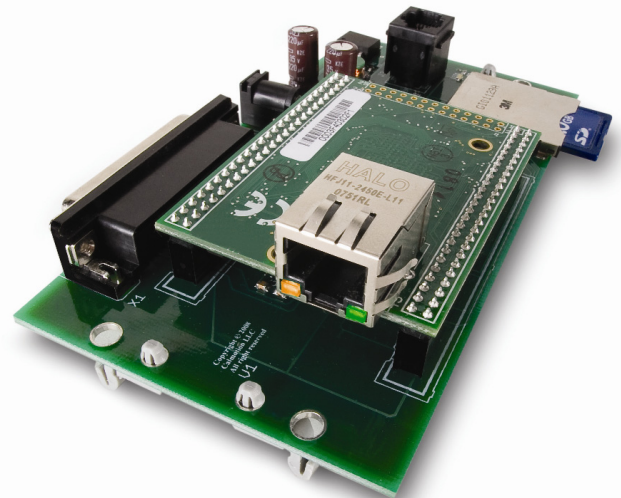


# Calmotion LANCNC-MAZ

## Data Server Controller for Mazak CNC's



The LANCNC-MAZ controller, designed especially for Mazak CNC's, provides FTP server functionality for Mazak milling and turning centers. These include the T1, M1, T2, M2, M Plus, M32 and T32 that use CMT-I/O interface with Mazatrol files. The LANCNC-MAZ supports both G-code and Mazatrol file formats.

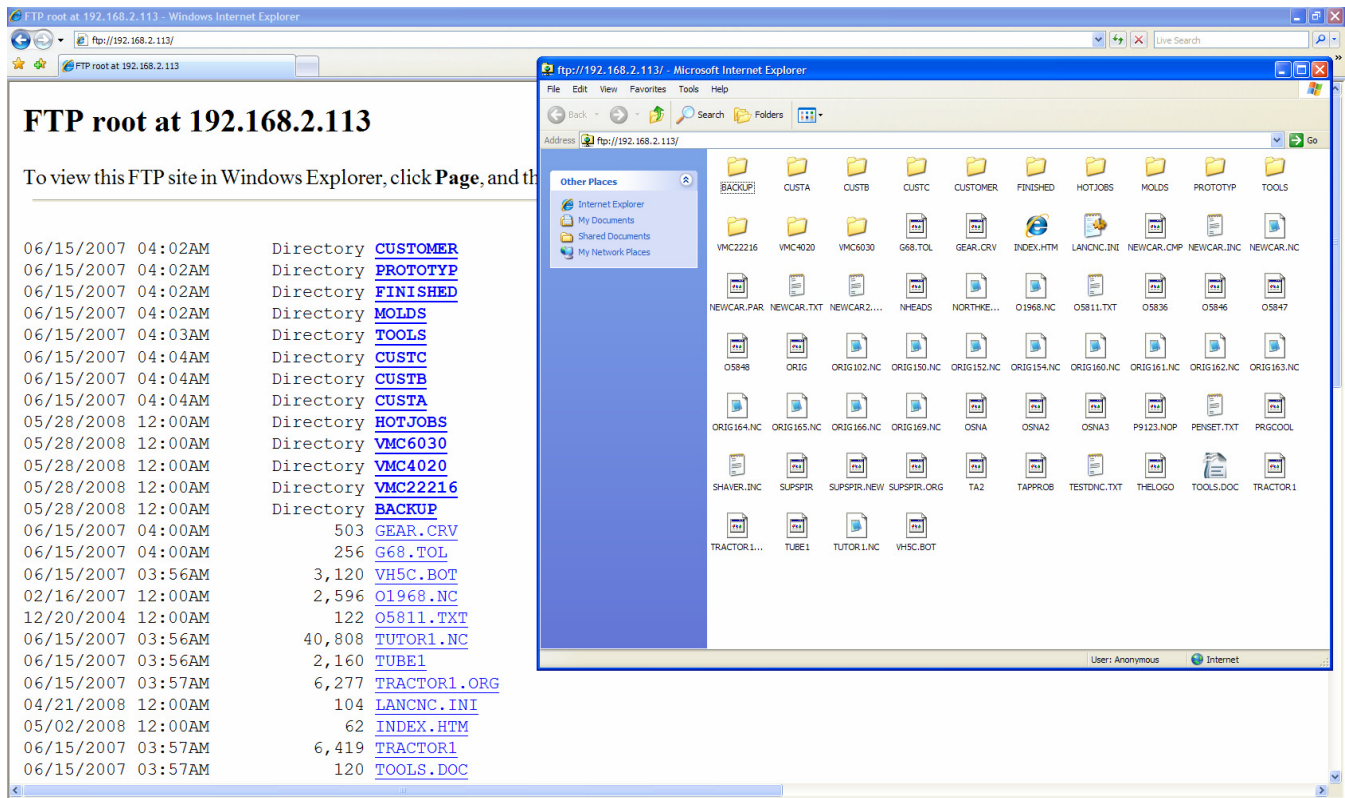
This unique controller allows users to add an Ethernet or wireless data server at the CNC. Large files that will not fit in the memory of the CNC can be drip fed (DNC) directly from the data server. The standard capacity is 2 GB with options for additional memory storage.

The LANCNC-MAZ has been designed to operate with standard software that comes with a PC such as Internet Explorer from Microsoft. There are no additional licenses or additional interface software requirements. A programmer can simply drag and drop a file from his PC to the data server. Once loaded on the server, an operator can load the file into CNC memory or drip feed a program directly from the file server. An operator can also save a program from machine memory onto the server. The LANCNC-MAZ also supports a remote request mode in which an operator can search for a file on the network and import into the local data server. There are no NC files to modify, simply look for the required file on the LANCNC screen and load.

In G code mode, a search and mid-tape start function is also available providing a machine operator the ability to start at a specific location in a program file in the case of tool breakage. Preparatory data can also be typed in prior to executing a mid-tape start.

### Features

- Drag and drop files to and from CNC data server.
- Load remote files on the network from the CNC
- Receive email alerts from the CNC (DNC mode)
- Ethernet connection using standard FTP protocol. No special software required.
- 10/100 BaseT Ethernet
- Replaces cassette tape and floppy disc CMT I/O storage units with network back-up capability
- Low cost wireless option available
- G-code DNC (drip feed) operation from data server
- Local connection of the server to the CNC that is independent from the network eliminates risk due to network outages.
- SD Memory card file storage in case of network outage
- Mid-tape start with search function.
- Insert preparatory data prior to DNC operation
- Tape input for file loading into CNC memory
- Punch CNC memory file to data server
- Multiple directory file support



View files with a web browser or FTP viewer standard on most PC's. Drag and drop files to/from a PC and your Mazak CNC. Internet Explorer and Explorer from Microsoft shown above.

## Reliability

Local storage of the data server information guarantees uninterrupted machine uptime in the event of a network crash. File information is stored on a removable SD memory card such as those used in digital cameras. Standard file storage size is 2GB. Larger SD cards can be used to expand the server storage capacity. The LANCNC-MAZ server connects directly to the CNC independently of the network. In the event the network becomes unavailable, the operator can access files on the server where the CNC program information resides. In the event of a network crash, the SD memory card can be easily removed and taken to a PC for an update. The SD memory card can then be reinstalled into the LANCNC-MAZ for immediate use. Files can also be punched from the machine to the server without requiring network resources. The LANCNC-MAZ data server can gather and store machine information including machine parameters as well as survey data. A user can save and restore machine information if needed in the event that they are lost or modified while a machine is being serviced.

## Wireless connection

The LANCNC-MAZ can be easily turned into a wireless server by adding a low cost wireless router. Multiple port connections of most wireless routers provide a wireless connection to several LANCNC-MAZ units from one router.

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