

Kogna

Kogna now has a simplified DHCP Server that starts up if Kogna fails locating a DHCP Server. This should make it unnecessary to manually assign IP Addresses except in complex network configurations. It is very simple and assigns itself a fixed address of 192.168.113.100. Subnet Mask 255.255.255.0. Other devices are assigned addresses 192.168.113.101 - 192.168.113.108 based on order of Discover requests received. With a direct connection between the PC and Kogna there should be only the PC requesting so assigned 192.168.113.101. Potentially there might be other devices connected through an Ethernet Switch. Regardless, multicast should allow the PC to find Kogna. Note for Kogna to operate as a DHCP Server the firmware in Kogna must first be Flashed with this Version (or later). So manual addresses may be needed to establish a connection to Flash New Version. Afterward manual addresses should no longer be required. A terminal program monitoring Kogna's Virtual Com Port can be helpful to see which and how Addresses are assigned.

Bug fixed regarding Step/Dir Generators 0-4 Tri-stating JP7 pins even though Generators set to drive Differential outputs.

Bug fixed regarding DAC Servo mode using Kanalog DACs not being zeroed on Axis Disable.

Add I2C example (Kogna\SPI_Tester.c) and library functions and headers in folder TI_SOC_Lib

KFLOP

Include `_fixdu` library function in case needed by User C Programs

Define `ThreadActive` so User Program can determine which threads are currently active.

Mach3

Support for Kogna IO Bits > 256 by specifying Port 4 with Pin as IO Bit Number – 256. Note this fix in 5.3.2 didn't work correctly.

KMotion

Validate on C Program Screen now uses proper Includes Header files for Kogna vs KFLOP

Warning added if C Program exceeds normal Thread space size

KMotionDLL

When using TI Compiler after downloading .out file the .out file was not closed (until after App using KMotionDLL was closed). It is now closed immediately after use.

KMotionCNC

When updating and copying the Data folder from a previous Version (before 5.1.0) the `persistCNC.txt` file is interpreted incorrectly placing the KMotionCNC Screen at the wrong position on the Display, potentially completely off screen and inaccessible. This has been corrected.

Allow Tool Table Lengths and Offsets of +/-9999 vs previously +/-999

Bypass Cycle Start and Halt Actions when Simulating.

New GCode File creates file `userX.ngc` in \GCode Programs folder instead of current folder.

.NET

On-line Help add example for KM_Controller.GetUserData