

BLUE FUSION

Web enabled controllers

Models 5222 and 5223

- CT HMI support
- Data logging
- FTP client support
- 5 - 17 MB flash memory

The Blue Fusion Models 5222/5223 have all of the powerful networking and control features of the 5220, plus the following:

- web-based read/write access to process data and graphical displays over the Internet using CTC's CT HMI
- high speed data logging of all controller resources
- FTP client support for easy transfer of program and support files

Using the 5222/5223, you can remotely set up, control, and maintain complex control applications over Internet or Intranet connections, using no more than a web browser. It supports up to 192 I/O points or 12 axes of servo and stepper motion. Additional features such as alarm-generated emails, embedded video, and customization via C/C++ provide a rich and flexible control strategy.



CT HMI Features

HMI panels developed using CTC's popular CT HMI software can be downloaded directly to the 5222/5223 controller as a web based HMI project

The 5222/5223 web server can then run this project on its internal web server, providing authenticated users a direct graphical interface with the controller over the web.

Supports multiple simultaneous connections.

Data Logging Features

Supports data logging of any controller variable

Log files support custom formatting

Easily export to Excel for detailed analysis

Automatically upload log files to remote servers.

Automatic Time and Date stamping

Data is logged to non-volatile RAM disk

Multiple formatting options

Comma delimited

Fixed field Size

Free style record format

Allows up to 999 log files

Log files support mixed record formatting

Automatic record synchronization with remote server

Local non-volatile logging of over 2 million values.


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Features and benefits

Built in web server

- Ability to monitor controller status over Internet
- Allows users to develop and host custom web pages on the controller
- Supports HTTP communications

CT HMI support

- HMI panels developed using CTC's popular CT HMI software can be downloaded directly to the 5222 controller as a web based HMI project
- The controller can then run this project on its internal web server, providing authenticated users a direct graphical interface with the controller over the web.
- Supports multiple simultaneous connections.

Email

- Supports sending and receiving email messages
- Group send and cc capability
- Can send emails based on conditions and include variable data in the email
- SMTP and POP3 support

FTP support

- FTP server support; allows remote computers to upload or download files on the controller
- FTP client support; allows the controller to upload or download files automatically from remote computers

Data logging

- Supports data logging of any controller variable
- Log files support custom formatting
- Easily export to Excel for detailed analysis
- Automatically upload and synchronize log files with remote servers.
- Automatic Time and Date stamping
- Multiple formatting options
- Allows up to 999 log files
- Log files support mixed record formatting
- Local non-volatile logging of over 2 million values.

Remote Monitoring and Setup

- Allows remote computer to configure through a standard browser, no special software required on the remote computer
- Telnet support to configure all controller features
- Ability to monitor and change register values over the serial or Ethernet connection.

Programming

- State language, C and C++ support
- Ability to run C programs and State Language programs simultaneously
- Macro language support for setting up higher level controller functions such as auto program load, and auto wake-up feature

Storage

- Non-volatile flash file system
- Standard memory is 5M of flash for the 5222 and 9M of flash for the 5223.
- Ability to store multiple file formats, e.g. CAD files, Video files, Picture files, and data files

Security

- Multi-level security system
- Password protection
- IP address blocking

Communications support

- Dual Serial ports, up to 115kbaud
- Ethernet LAN port, 10 / 100
- DHCP and DNS support
- Supports simultaneous Modbus Master and Modbus Slave communications over either serial or Ethernet connections
- Supports Modbus ASCII and Modbus RTU protocols

General

- Battery backed memory
- Real time clock with ability to automatically synchronize to external time sources via SNTP
- Less than 2" deep
- Allows up to 84 parallel tasks

I/O modules

- Up to 192 I/O points
- Digital
- Analog
- Configurable I/O bays
- Pluggable terminal blocks for all I/O connections

Motion

- Up to 12 axes of motion
- Supports both Servo and Stepper motion control
- Encoder feedback rate 6MHz

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