

ETH-1000 Version Info

} **01.17.2012**

Main CPU firmware

- Chillgard V2.400 release
- A.O. Smith V2.300 release
- Added A.O. Smith AIN and PDNP drivers
- Added support for different types of scaling for the concentration values including new % units in Chillgard
- Added support for more gas types in Chillgard
-

Coprocessor firmware

- V2.320 release.
- Added BACnet BBMD support.
- Added EtherNet/IP Client slot, element data type, database data type, and multiplier configurability.

User's manual version

- 10724 January 15, 2012

} **08.15.2011**

Main CPU firmware

- V2.300 release.
- Added DMX-512 Master and Slave Drivers
- Added M-Bus Master Driver
- Added function code 05 (Force Single Coil) to Modbus RTU Master driver.
- Increased Service Object memory usage
- Fixed FLN response timing issues by caching data from coprocessor

Coprocessor firmware

- V2.300 release.
- Added CSP Server logical ASCII addressing for both Typed Read and Typed Write commands.
- Improved Modbus/TCP Client packet resynchronization.
- Improved MELSEC Client packet resynchronization.
- Added MELSEC Server driver.
- Reduced max MELSEC client device points to 719 words, due to the 3E batch write command payload limitation.
- Added Modbus/TCP Client support for function code 5 (Force Single Coil).
- Fixed directed broadcasts when the subnet mask is set to a value other than 255.255.255.0.
- Added Profinet IO support for timeout processing.
- Added EtherNet/IP Server class 1 I/O support for point-to-point (unicast) in the T→O direction.
- Fixed MELSEC Client auto-detect to correctly detect 3E frames.

EtherNet/IP EDS file

- V2.1
- Updated connection description to support point-to-point (unicast) in the T→O direction.

User's manual version

- 10724 August 15, 2011

} **02.01.2011**

Main CPU firmware

- V2.200 release.
- Added MSA Chillgard driver.
- Added Metasys N2 Master driver.
- Added Siemens FLN driver.
- Added TCS Basys driver.
- Fixed Modbus Master bug when Floating Point is checked and multiplier is 1, the value is now correctly converted as a floating point number.
- Improved accuracy of Modbus multiplier scaling.
- Updated Metasys Slave driver so that it won't reset the object configuration upon receiving the "F" command.
- Fixed Modbus Slave remap object issues.

Coprocessor firmware

- V2.200 release.
- Fixed BACnet/IP Server response with Device Object character strings. The character set is now correctly set to ANSI X3.4.
- Fixed loading of BACnet/IP Server objects to the webpage when BACnet/IP Server is disabled.
- Fixed BACnet/IP Server COVs from deadlocking and preventing the BACnet/IP Server driver from responding.
- Fixed CSP Server endianness conversion.
- Fixed MELSEC Client bypass request to search only the existing MELSEC connections to prevent index out of bounds error.
- Added Profinet IO support for slots 1 to 8.

User's manual version

- 10724 February 1, 2011

} **03.01.2010**

Main CPU firmware

- V2.100 release.
- Added Sullair master driver.
- Added Modbus sniffer driver.
- Added Enron/Daniel 32-bit Modbus extension to Modbus master and slave drivers.
- In Modbus RTU slave driver, holding registers and input registers can now be remapped independently, and can have multipliers applied.
- Decreased object memory usage for BACnet objects in BACnet MS/TP server driver.
- BACnet MS/TP client driver now sends "Who-Is" for all configured destination devices on startup, not just statically bound ones.
- Improved efficiency of service object handling in BACnet MS/TP client driver.
- Fixed "Poll-For-Master to self" bug in BACnet MS/TP drivers.
- Fixed "multiply by 1 rounding" issues.
- Fixed bug where master/client protocol would not generate a write after changing a value in the monitor tab of the Configuration Utility.

Coprocessor firmware

- V2.100 release.
- Added EtherNet/IP client produced tag connection configuration.
- Increased range of produce, consume, and configuration connection points for EtherNet/IP client Class 1 message type configuration.

- Allow a value of 0 for the produced and consumed byte count for EtherNet/IP client Class 1 message type configuration.
- Increased max number of BACnet/IP server objects from 100 to 200.
- Added EtherNet/IP client explicit messaging scan rate.
- Added BACnet/IP client driver.
- Added support for BACnet/IP server "SubscribeCOV" service.
- Added MELSEC client scan rate.
- Added support for Enron/Daniel 32-bit extensions for Modbus/TCP client and server drivers.
- Added Modbus/TCP client scan rate.
- Added support for Modbus/TCP server remap register types

User's manual version

- 10724 March 1, 2010

} **11.10.2009**

Main CPU firmware

- V2.000 release.
- Added Metasys N2 slave driver.
- Added Toshiba ASD master driver.
- Fixed bug whereby an RS-485 master/client would starve if service objects were mapped from an Ethernet master/client but not in any service objects.
- Fixed bug where device info would leave remnants of old device information.
- Attempts to write to BACnet binary inputs will now return an error.
- Improved efficiency of scanning function for master protocols.

Coprocessor firmware

- V2.000 release.
- Added EtherNet/IP and CSP client driver.
- Added Profinet IO driver.
- Added Modbus/TCP client driver.
- Added support for MELSEC 1E frame types.
- Removed MELSEC service object data type from "other" device code.
- Redesigned web server.
- Improved efficiency of scanning function for client protocols.

User's manual version

- 10724 October 30, 2009

} **07.06.2009**

Main CPU firmware

- V1.000 initial release.

Coprocessor firmware

- V1.000 initial release.

User's manual version

- 10724 July 1, 2009