**Chase
Controls**

CC - 4000 Controller

- Intel 64 Bit 2-Core 1.8GHz Processor
- Rs232/485 Port Full UART
- 4-USB 2.0 Hi-Speed 480Mbps Ports
- Dual 10/100/1000 Mb/s Ethernet Ports
- 1GB RAM, 32 GB Internal Solid State Storage
- Modbus RTU Master/Slave Communications
- Chase Controls CNET Protocol Communications
- Embedded OPC Communications Data Server

- Expandable IO Connections to Several Thousand Chase RIO Points
- Field Programmable Logic via Industry Standard IEC-61131-3 ISaGRAf V5.2
- Multiple PID Loop Control
- 32 Bit Integer / 64 Bit Floating Point Math Capability
- Automatic File Transfer / Exchange with Host Computer or Remote HMI Computer
- Mini-SD Card For Removable Data Storage, and Program Update
- Point And Click, "ChaseNet Commander" Configuration / SCADA Polling Software
- Integrated Hardware Watchdog Timer
- DVI Display Port 1920 X 1200 Maximum Resolution
- Windows Embedded Industrial OS
- Optional Internal Wireless LAN 802.11b/g Communications
- Optional Integrated Web Server HMI

The CC-4000 Series is a family of Industrial / SCADA specific programmable controllers, that combine the programmability of a Programmable Logic Controller (PLC), the communication capabilities and extended operating temperature of an advanced Remote Terminal Unit (RTU).

The CC-4000 utilizes ISaGRAf the industry standard IEC6113-3 automation software. And is fully programmable and compatible with all five IEC-61131 standard languages, Sequential Function Chart (SFC), Instruction List (IL), Ladder Diagram (LD), Function Block Diagram (FBD), Structured Text (ST), and Flow Chart (FC). as well as C/C++ programming. If you need to implement custom control strategies, protocols or logging routines you have the full power of a high-end programmable controller. You can create your own custom function blocks using the richly supplied library including PID control, linear / non-linear scaling, chemical pacing and pump control, just to name a few.

In addition to these languages ChaseNet Commander (CNC) is included. CNC is a "point-n-click" graphics-based easy to use interface to configure standard controller operations, such data polling, communication addressing, data tag creation / management, IO expansion, analog scaling, embedded digital totalizers, and others. So when you need to develop custom functionality, you can use the programming language you want for any application and toggle back and forth using multiple languages all within a single project.

CC - 4000

Specifications

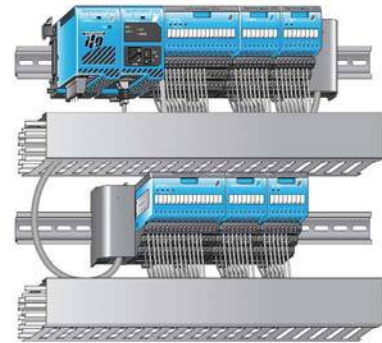| Controller	
Processor	CPU Intel 64 Bit dual-core microcontroller, integrated watchdog timer
Memory	1 GB SRAM Standard, 16 GB SRAM Maximum
Non Volatile Storage	32 GB Sold State SATA Storage Drive

I/O	
Digital IN	Limited By Protocol Only
Digital OUT	Limited By Protocol Only
Analog IN	Limited By Protocol Only
Analog OUT	Limited By Protocol Only

Communications	
Integrated Ports	RS232/485 Serial, 4-USB, DVI Video, Dual 10/100/1000 Mbs TCP/IP
Baud Rate	Selectable 300-230,000 baud
Serial Protocols	Modbus RTU (Master / Slave), ChaseNet, DNP, AB DF-1, others on request
Ethernet Protocols	Modbus TCP, Modbus UDP, AB TCP, DNP, ChaseNet TCP, others on request

General	
Dimensions	4.50 in wide X 4.0 in high X 1.10 in deep
Temperature	10 Deg F to + 158 Deg F
Humidity	5% RH to 95% RH, non-condensing
Vibration	MIL STD 810C, Method 514.2
Shock	MIL STD 810C, Method 516.2