

ControlWave® Micro

Features

- RTU/PLC Hybrid
- High-speed ARM 9-based processor
- Very low power consumption
- IEC 61131-3 programming with ACCOL 3
- Multiple protocol support
- Single and dual 10/100Mbps Ethernet port
- Up to eleven serial communication ports
- Built-in modem and radio
- Onboard alarm and historical database
- FTP server
- Wide temperature range (-40 to +70° C)
- Install in Class I, Div. 2 Groups A, B, C, and D areas



Specializing in oil and gas, water and wastewater, and industrial control applications, the ControlWave Micro Process Automation Controller, from Emerson Process Management, is the most flexible of the ControlWave family of high performance PLC/RTU hybrids. This controller is designed to exceed the stringent requirements for any industrial control application. Drawing only 1.2W and boasting a broad environmental specification, this RTU can be installed in the most remote and inhospitable locations for control and SCADA applications year in and year out. It can even be expanded with up to 14 local I/O cards and multiple I/O expansion chassis for the larger applications – showing its extreme flexibility and scalability.

Engineers will appreciate the ControlWave Designer with ACCOL III programming software. Its conformance to the IEC61131-3 programming standard enables them to quickly start projects, re-use existing code, and simplify maintenance in the long term. All five IEC languages are supported, as well as multitasking of up to 100 simultaneous programs. In addition to the basic functions and function blocks, ControlWave Designer brings the benefit of over 20 years of SCADA and plant control experience in Emerson's ACCOL III function block library.

ACCOL III empowers the programmer with over 60 ready-to-use process control function blocks valuable for use in oil and gas, water and waste, and process measurement and control applications. ControlWave also provides local historical data storage and alarming with time stamps to ensure the integrity of all data in the event of an interruption in network communication.

ControlWave has been designed around open standards to enable the engineer to employ familiar technologies to maximize system flexibility and expansion. With Emerson's OpenBSI communications interface and Active X controls, you can even build a local HMI or use the OPC Server to provide data to any OPC-compliant PC-based HMI.

The ControlWave Micro conveniently combines the speed and programming power of a PLC with the low current draw and flexible communications of an RTU and the modern features of an Internet server. ControlWave is truly the most the most versatile SCADA and control system available.

Find us around the corner or around the world

For a complete list of locations please visit us at www.EmersonProcess.com/Remote



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