c(UL)us Class 1, Division 2, Groups A, B, C, and D Hazardous Locations.

CE

ROCKWELL AUTOMATION
ENCOMPASS
GLOBAL PARTNER

Harris 5000/5500/6000 RTU Slave Communication Module
3100-HAR

The Harris 5000/5500/6000 Slave Module can be found in mainly in the power industry in the following applications:

- *Foreign device data concentrator*
- *Power equipment monitoring*
- *Dam operation*

How to Contact Us: Sales and Support

All ProSoft Technology products are backed with unlimited technical support. Contact our worldwide Technical Support team directly by phone or email:

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Harris 5000/5500/6000 RTU Slave Communication Module

3100-HAR

The ProSoft Harris Slave Communication Module allows the user to easily configure one or both ports to be slaves to a Harris M9000 Host based system.

The 3100-HAR (PLC) Harris Slave Module is a single slot solution for the Rockwell Automation 1771 and platforms. By providing configurable access to both ports, this product provides previously unavailable functionality and versatility.

Features and Benefits

Simple to Use

All module setup and operating controls are performed over the backplane through simple ladder logic and data table configuration. The only software necessary is a standard ladder-programming package.

Hands Off Operation

After the HAR module has been setup for operation, the module provides transparent control and monitoring capabilities. The HAR module, integrated directly into the PLC/SLC rack, forms a tightly integrated and practical solution. After configuration, the module will perform all protocol related functions on a stand-alone basis.

Installation, Set Up and Operation

The ProSoft module installs in any slot in a local rack. The product's capabilities are enabled and controlled with simple ladder logic and data table initialization.

Functional Specifications

- Harris 5000/5500/6000 implementation of the protocol
- Full radio, modem and Multi-drop support
- Supports RS-232C, RS-422 and RS-485 interfaces
- Communication error codes and counters returned to ladder logic(Slave port)
- Configurable character delay to support VSAT packetizing delays
- Configuration via simple ladder logic

Supported operational codes:

Code	Description
0	A/D and accumulator data dump
3	Status check
4	Status change dump
5	Status dump
6	Trip/close control arm
7	Trip/close control operate
8	AGC raise/lower
9	Set point control arm
10	Set point control operate
11	Power fail reset
12	Port on-line status scan
21	Time synchronization (SOE)
23	Time synchronization adjustment
27	Time synchronization (Non-SOE)
30	Set freeze interval

- Supports broadcast commands from master register addressing
- Up to 7 ports, each port with:

Parameter	Value
Status	Up to 63 words
Analog	Up to 63 words

- Accumulator

Parameter	Value
12 bit	Up to 63 words
24 bit	Up to 34 values
32 bit	Up to 12 values

- Communication parameters:

Parameter	Value
Address	1 to 63
Parity	None, odd, even
Stop bit	1 or 2
Baud rate	300 to 38.4K
RTS delays	1 ms resolution on and off

Hardware Specifications

Specification	Description
Backplane current load	3100 module for PLC 0.65 A
Operating temperature	0 to 60°C (32 to 140°F)
Storage temperature	–40 to 85°C (–40 to 185°F)
Relative humidity	5 to 95% (non-condensing)
LED Indicators	Module status Backplane transfer status Serial port TX/RX activity LED Serial port error LED status

Specification	Description
Application serial ports	DB-25F3100 module
	RS-232/422/485 jumper selectable
	RS-422/485 screw termination included (two per module)
	RS-232 hardware handshaking (RTS/CTS, DTR)
	500V optical isolation from backplane

Additional Products

ProSoft Technology offers a full complement of hardware and software solutions for a wide variety of industrial communication platforms.

Visit our web site at http://www.prosoft-technology.com for a complete list of products.

Ordering Information

To order this product, please use the following:

3100-HAR Harris 5000/5500/6000 RTU Slave Communication Module

To place an order, please contact your local ProSoft Technology distributor. For a list of ProSoft distributors near you, go to http://www.prosoft-technology.com

Distributors:
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