



CM01

Asynchronous Serial Interface Module

Features

- Two Read/Write RFID Antenna Ports
- 25 MHz i386 Processor
- 512KB Flash Memory
- 512KB RAM
- DOS Compatible Operating System
- Two General Purpose Serial Ports for CM01
- One Industrial-Level Input
- LED Status Indicators
- NEMA 4 (IP66) Enclosure

Applications

- Material Handling
- Sortation Systems
- Work-in-Progress Monitoring
- Quality Control

Use With

- HS-Series Active Read/Write Antennas
- RS232 Serial Device

EMS, a Datalogic Group Company, is the field-proven leader in the development and application of Radio Frequency Identification (RFID) Tags/Labels/PCBs, Antennas, Controllers and network interface modules for tough industrial environments. With over a dozen years of RFID successes in the automotive, electronics, material handling and food processing industries, EMS has built a global reputation in providing customers with complete supply chain solutions – from production to retail EMS has the complete solution!

Technical Description

The CM01 Module is a general purpose programmable interface that can be connected between any standard serial com port or PLC serial communications module to the CM01 and Reads/Writes to HS-Series RFID Antennas.

This programmable interface is provided with a standard program that allows standard commands to control the reading and writing of a block (or non-contiguous blocks) of data.

The module is based on a real-time, DOS compatible operating system providing great speed and flexibility. As many

as four commands can be processed simultaneously. The CM01 is implemented as a two board set, interconnected by a stackable PC104 Connector.

ABX (HS) and HS850A protocols are implemented.

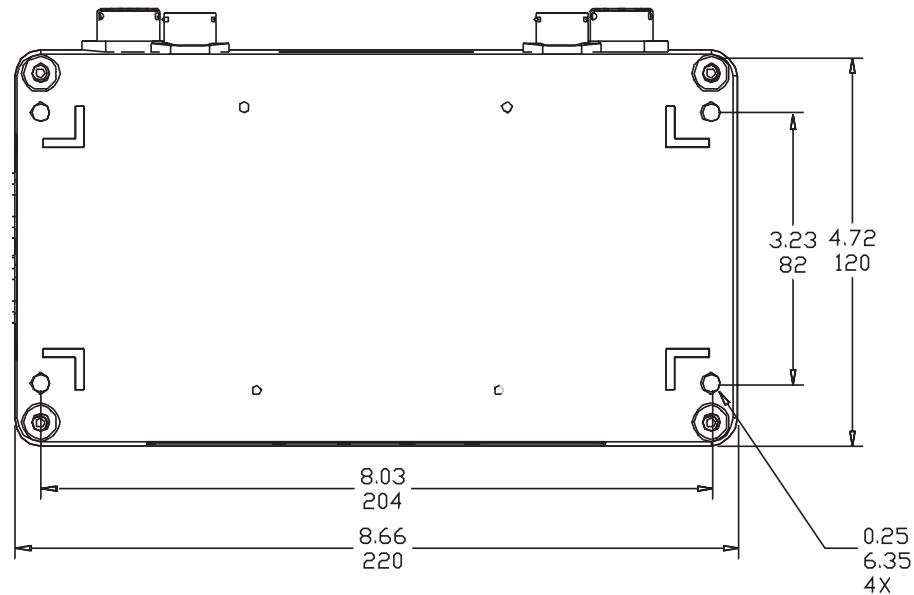
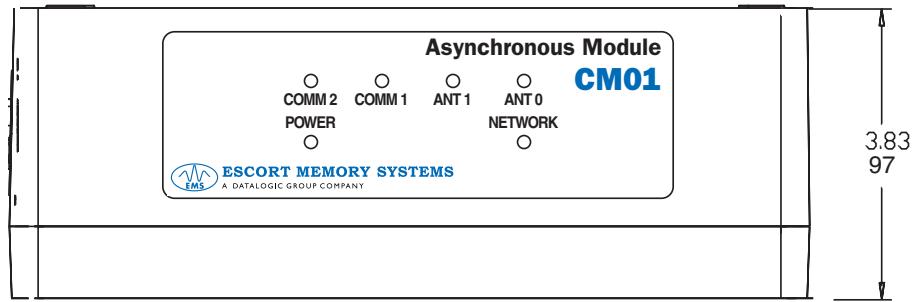
**PRESENCE
FOR
AUTO ID
PRODUCTS**

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Electrical	Power Requirements From External Connector	24VDC ±15% 350mA (Module Only) 900mA (with Antennas)
Communication	RFID	Two EMS HS-Series Antenna Ports
Ports	COM1 COM2 Input	RS232 RS232/RS422/RS485 One Industrial-Level Input, 10-30VDC
Mechanical Specifications	Dimensions (W x H x D) Weight Enclosure	8.66 x 4.72 x 3.83in. (220 x 120 x 82mm) 3.5lbs. (1.6kg) Aluminum Alloy
Environment	Operating Temperature Storage Temperature Humidity Shock Resistance Vibration Resistance Protection Class	32° to 120°F (0° to 49°C) -4° to 158°F (-20° to 70°C) 95% Non-Condensing IEC 68-2-27 Test EA 30g; 11ms; 3 Shocks each Axis IEC 68-2-6 Test FC 1.5mm; 10 to 55Hz; 2 Hours each Axis NEMA 4 (IP66)

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Mechanical Dimensions

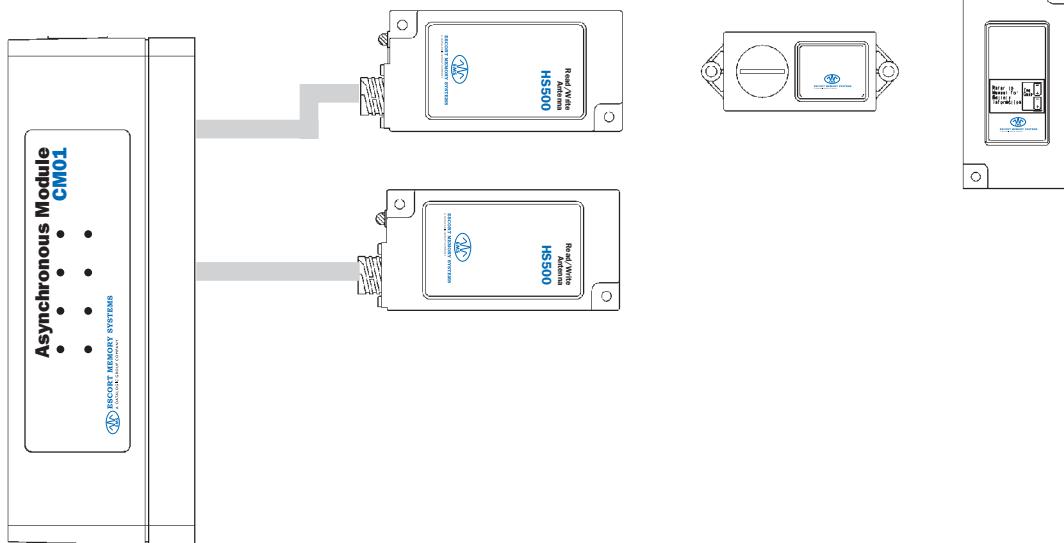


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Connections

CM01 Asynchronous Serial Interface Module

Two Read/Write Ports
Connect to HS500-Series Antennas
Use any HS200R, HS200XL or HS200LR-Series Tags



Available Models

Model	Description
CM01	Asynchronous Serial Interface Module