



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.

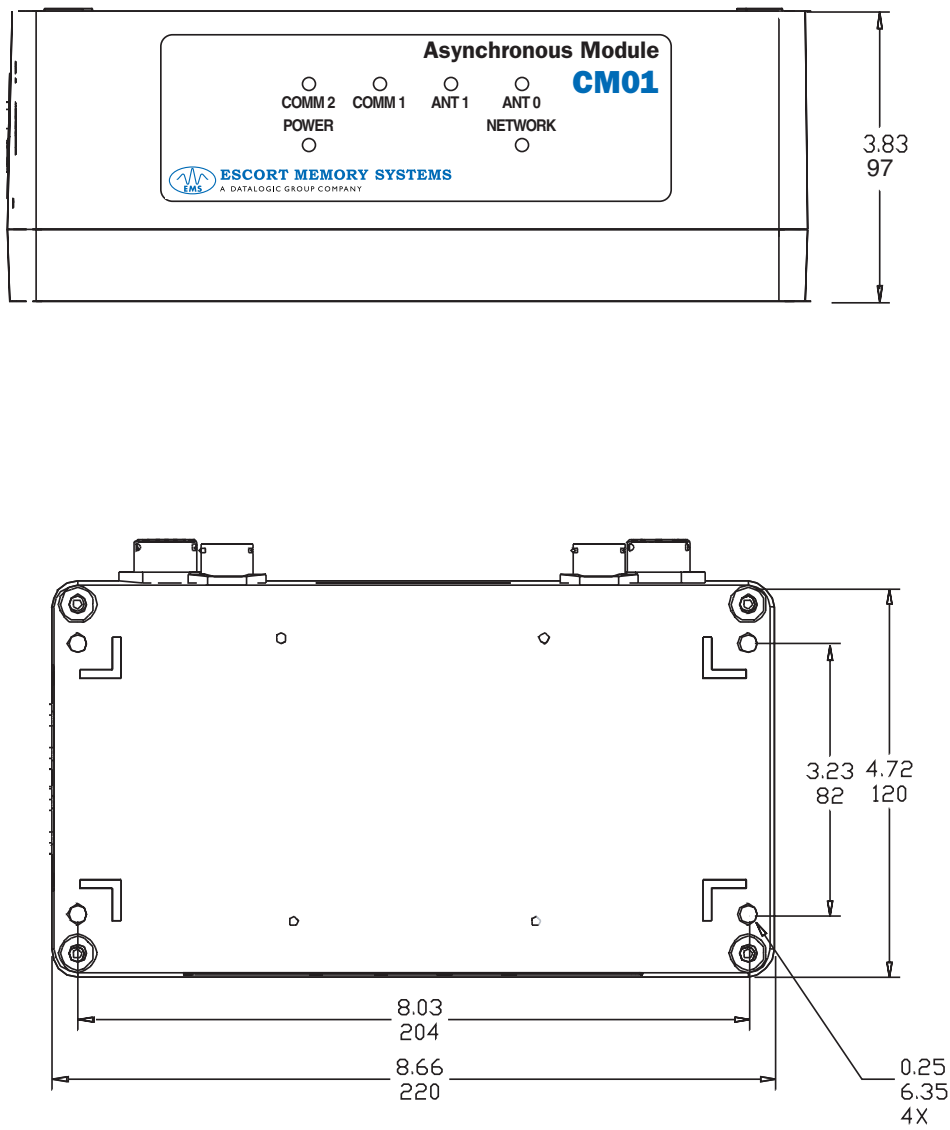
ABX (HS) and HS850A protocols are implemented.

PRESENCE
FOR
AUTO ID
PRODUCTS

CM01 Asynchronous Serial Interface Module

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

Mechanical Dimensions

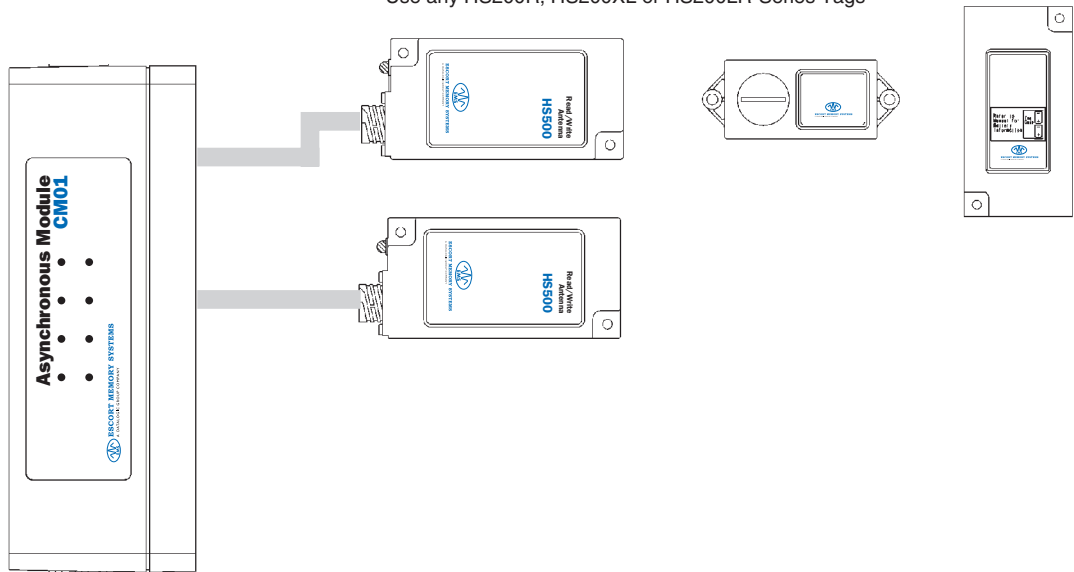


CM01 Asynchronous Serial Interface Module

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 |