

# ECM

## Ethernet Communication Module



### Features that make a difference:

- Low cost serial to Ethernet converter
- RS485 connection for multi-dropping up to 16 CEM serial devices on one chain
- 10/100Mbps Ethernet through an RJ45 connection
- Configuration connection with Tibbo Device Server Toolkit
- Board only version available to support existing CEM legacy installations that use NCN's
- Transparent connection between the CEM serial devices and the AC2000 Lite controller or the AC2000 SE Ethernet reader controller (RTC)

The ECM (Ethernet Communication Module) is a serial to Ethernet converter that enables CEM serial communication devices (such as the S600s reader range, InfoProx reader and the DCM controllers), to connect to the AC2000 central system via an Ethernet LAN.

The ECM can support a chain of up to 16 RS485 CEM devices connected to a single channel (up to a maximum length of 1.2 KM). This provides a cost effective means of connecting a group of serial readers to the AC2000 system from a single Ethernet point.

Simply load the software and configuration file supplied on the CD, and enter the network details. The AC2000 WEB tools application also offers straight forward system set up.

### Serial Reader/ Device Compatibility on an IP System

The ECM improves communications by enabling traditional serial card readers/ devices to be quickly and easily connected to an IP-based Ethernet network.

### RS485 Network Compatibility

A single ECM can be connected to a chain of up to 16 RS485 readers and multi-dropped on a cable length of 1.2KM.

### System Compatibility

The ECM can be used with the AC2000 or the AC2000 Lite access control systems.

### Packaging Options

The ECM is supplied as a standalone boxed unit. A board only option is available to connect into a NCN device in an existing CEM Legacy System.

### Windows Configuration

The ECM makes use of a Tibbo Ethernet module for connection to the Ethernet network. Tibbo supply a simple Device Server Toolkit (DST) application for setup and network configuration. Sample configuration files for standalone and legacy (ENCN) modes of operation are supplied.

