

CAN Ethernet Bridge

The Borer **CAN Ethernet Bridge** allows organizations to use their existing network infrastructure to control and monitor access doors and building alarms.

The Bridge joins the Local Area Network (LAN) to the Control Area Network (CAN) on to which access control readers and related devices are connected.

The **CAN Ethernet Bridge** enables users to control and monitor both local and remote sites over networks. This minimises the need for bespoke cabling, reducing installation time and costs.

ATRACS Express supports up to 64 bridges enabling up to 3,840 devices to be monitored and controlled from a single PC.

ATRACS Enterprise allows for the development of a large number of site controllers (NIMs) each able to support up to 64 bridges.

This greatly expands the number of bridges and access control devices that can be interconnected and allows for both centralised and distributed monitoring and control of many buildings and remote sites from designated workstations connected to the network.



Part Number: 04-135

Features:

Utilize existing network to reduce the need for bespoke cabling

High speed communications combining industry standard high speed Ethernet and Controller Area Networks

Employs 'Power over LAN' to centralise and reduce the number of power supplies and mains outlets required, reducing installation costs

Efficient use of Ethernet employing Event Driven transmission on demand, not polling

Centralised and distributed monitoring and control using the existing network Infrastructure to manage remote facilities

Ease of deployment requires only 1 RJ45 network point and a static IP address per bridge

Native TCP/IP enabling efficient communications across sub-networks and gateways

Immune to Infiltration from network borne virus, Trojan horse and spyware

Our "Clean Design" objectives means that we reduce:

- The quantity of raw materials by mass and consequently the energy required in the manufacture of our products.
- The amount of packaging to ship the product and the elimination of wall mounted enclosures to accommodate products when installed on customer's sites.
- The complexity of the infrastructure and amount of time required to deploy / install the product.
- The amount of energy consumed by the product in its everyday operation.
- The number of post installation service calls required to service and repair the systems.
- The mass of the product to dispose of at the end of its life cycle.

The Borer access system has been designed to comply with EU Environmental Directives including RoHS (2002/95/EC) and WEEE (2002/96/EC).

Our 'Clean Design' philosophy meets the requirements set out in the EuP Directive (2005/32/EC).

Installation	Borer CAN Ethernet Bridge devices are housed in DIN rail mounted enclosures for ease of installation and maintenance
Enclosure Colour	Ivory
Power Supply	10 to 28 volts DC, 20mA @ 24 Volts DC
Controller Dimensions/ Weight	98 x 81 x 15mm / 58g
Controller Enclosure Dimensions/Weight	104 x 85 x 29mm/ 132g
Environmental Humidity Range Operating Temperature	Interior / 10% to 80% non-condensing 0 – 60C (30 to 140F)
Ethernet Network Network Connection Transmission Protocol	Ethernet with RJ45 Connection Protocol TCP / IP + Static IP Address CSMA – CD (Carrier Sense Multiple Access with Collision Detection)
Data Rate Cable Type Diagnostic Indicators	Autosensing : - 10/100 Base-T CAT5 Link, 10 base, 100 base, Collision Detected, Connection Made
CAN Network Network Connection	Controller Area Network, ISO 11898 standard for serial data communications,
Transmission Network Data Rate	CSMA-CA (Carrier Sense Multiple Access with Collision Avoidance) Selectable 50, 125 or 250kbps
Cable Type	Star Topology: - CAT5 Multidrop / Powerover CAN Topology: - Trunkline Belden 3082A, Dropline Belden 3084A
Diagnostic Indicators	CAN TX, CAN RX, CAN Fault
Serial Interface Diagnostic Indicators	1 RS232 / 485 serial data line 9600bps, 8 data, no parity, 1 stop RX and TX

