FUSION
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CAN ETHERNET BRIDGE DATASHEET

Part No. 04-135

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.

Features:

Utilize existing network to reduce the need for bespoke cabling

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

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

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borer DATA SYSTEMS LIMITED

Technical

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 15 mm / 58g
Controller Enclosure Dimensions/ Weight	104 x 85 x 29 mm / 132g
Environmental Humidity Range: **Operating Temperature**	Interior / 10% to 80% non-condensing 0 - 60 C (30 to 140 F)
Ethernet Network **Network Connection** **Transmission Protocol**	Ethernet with RJ45 Connection Protcol 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 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 Multipdrop/Power over CAN Topology: - Trunkline Belden 3082A, Dropline Belden 3084A
Diagnostic Indicators:	CAN TX, CAN RX, CAN Fault
Serial Interface **Diagnostics Indicators**	1 RS232 / 485 serial data line 9600bps, 8 data, no parity, 1 stop RX and TX