

Borer's Intelligent Hitag Reader is designed as a complete door entry solution for use in online access control applications.

The **Hitag Reader** provides full online and offline validation and decision making capabilities at the point of entry, eliminating the need for a control panel, wall box and mains power supply.

The elimination of unnecessary equipment together with a low energy profile delivers a 'cleaner, leaner and greener' solution, reducing lifetime cost of ownership.

Intelligence at the access control reader head.

A complete set of access rules are held at each reader head including a list of public holidays and card identities with associated access rights, allowing the reader to work independently in the event of a communications or network fault.



BLACK PROX - Part No. 04-120



BLACK PIN - Part No. 04-121



GREY PROX - Part No. 04-118



GREY PIN - Part No. 04-119

Features:

Complete Single Door Access Control Solution in one reader head

Card Only or Card and PIN options supplied as standard

High level of Integration with fewer components leading to lower cost and more reliable equipment

Less Hardware Deployed resulting in easier installation, reduced maintenance and lower cost of ownership

No Control Boxes so minimal requirement for wall space

Distributed Intelligence to the Reader Head allows decisions to be made at the point of access

'Plug and Play' makes for faster installation, commissioning

Secure card sector reader with mutual authentication and card data encryption to protect your cards from being cloned

Wide range of proximity identity badges and fobs including ISO 7813 standard proximity cards

Works with Borer Midspan Bridge technology which delivers power and data over a single CAT5e/6 cable

Benefits:

Developed using 'Clean Design' principles to reduce component count and energy consumption

'Plug and Play' makes for faster installation and commissioning

Distributed intelligence allows decisions to be made at the point of access

TCP/IP Network connection via Borer Bridge facilitates direct connectivity to the central management system and database

Very low energy consumption leads to savings in cost of energy

Eliminates the requirement for separate control panel, wall box and power supply reducing bespoke cabling and installation complexity with associated costs

Technical

Installation:	Borer access control readers come with a matching backbox for surface mounting or can be mounted directly on to a single width electrical box
Colour:	Black or Cloud Grey
Power Supply:	105mA @ 12 Volts DC
Reader Head Dimensions/Weight:	120 x 78 x 26 mm / 190g
Surface Mount Box Dimensions/Weight	120 x 78 x 26 mm / 66g
Environmental Humidity Range:	Interior or exterior / 5% to 95% non-condensing
Digital Outputs:	Lock relay (3A @ 30v DC, NO and NC contacts), audible door alarm, red and green indicator LEDs
Digital Inputs:	Supervised door monitor, REX, tamper circuit
Keypad:	12 button membrane keypad
PIN:	4 digit system generated random number or 4 digit user issued number
Reader Database:	48 sets of reader rules, 16 scheduled holiday dates, maximum of 8000 cardholders/transactions, 14 timezones
Data Retention without Power:	10 years
Network Connection:	Controller Area Network, ISO 11898 standard for serial data communications
Cable Type:	CAT5e/6 Cable
Transmission Network:	CSMA - CD (Carrier Sense Multiple Access with Collision Avoidance)
Data Rate:	Autosensing: -50, 125 or 250kbps
Operating Temperature Range:	-13 to 140 F (-25 to 60 C)
Read Range:	Up to 120mm; range may vary with token type and installation environment
Smart Card Technology:	125kHz proximity cards or tokens with mutual authentication

