



Rack Handle Solution

Data protection is high priority.

Borer's Rack Handle Solution allows you to fully manage who is accessing your racks, when, and for how long, while monitoring rack temperature and security.

Data Breach Statistics

- Average total cost of a data breach – \$4m (Breach Level Index for first 6 months of 2016)
- 60% of data breach attacks are done by insiders (IBM Study 2016)
- 24% of outages are due to human error costing on average over \$750 000

You need to know that whoever is accessing your data and equipment has the required PERMISSIONS and TRAINING.

Borer's **Rack Handle Solution** powered using PoE offers an integrated access control and monitoring system for any data centre or server room environment, as well as any application where cabinet security is high priority.

Why the Rack Handle Solution?

A scalable, high security solution for racks and cabinets for any sized organisation, configured for your specific requirements, with all important audit trail reporting.

- Secure unlimited number of racks
- Provide access to authorised and authenticated users only with access rights
- Access control levels of authority allow access to single rack/cabinet or many racks or cabinets
- Provide a full audit trail of all users and activity
- Prove compliance with security regulations
- Monitor temperature of racks/cabinets



Applications

- | | |
|--|--|
|  DATA CENTRES
Server Racks |  FINANCIAL
Confidential Documents |
|  HEALTHCARE
Medicine/Drug Cabinets |  EDUCATION
Sensitive Documents |
|  LABORATORIES
Refrigerated Storage |  GOVERNMENT
Classified Documents |
|  INDUSTRY
Switch/Plant Rooms |  INDUSTRY
Hazardous Material Storage |

IDENTITY AUTHENTICATION
BIOMETRICS | SMARTCARDS
ACCESS CONTROL



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Rack Handle Solution

Audit Trail and Reporting

Reporting of all activity and environmental factors to Control Centre Management, reporting on:

- ✓ Rack Status – front or rear open, or handle unlocked
- ✓ Door Forced alarm
- ✓ Handle Forced alarm
- ✓ Open Unattended – alarm will sound if user leaves the room leaving the rack open
- ✓ Time Open – alarm will sound if rack is left open too long (max 4 hours)
- ✓ Monitoring Rack Temperature – probes monitor and report on rack temperature and provide local and central alarms if rack is too hot (failed air-conditioning, rack fans, etc.)
- ✓ Maintenance Functions – alarm sounders can be muted for rack service and maintenance operations

Regulatory Compliance

The Rack Handle Solution provides physical security with Audit Trail Reporting as proof of compliance with data security legislation. Below are a sample of regulations which specify the **physical security protection requirement** of data and equipment:

- **GDPR** (General Data Protection Regulation) from May 2018
Applies to any organisation that processes, holds or markets to individuals within the EU or wherever EU citizens reside
- **ISO/IEC 27001/27002** - Section 11
“...ICT equipment plus power and air-conditioning and cabling... should be secured and maintained”
- **PCI-DSS** (Payment Card Industry Data Security Standard) “... **physical access** to data or systems... should be appropriately restricted”
- **HIPAA** (Health Insurance Portability & Accountability Act)
“...**physical measures**, policies & procedures to protect... buildings and equipment... from unauthorised intrusion”
- **SOX** (Sarbanes Oxley)
US Federal law that requires the ability to **produce audit data** on who has access to financial records
- **FISMA** (Federal Information Security Management Act)
“organisations must **limit physical access** to information systems, equipment and operating environments to authorised individuals”

Key Features

- ✓ **Easy to install and use** retrofit with no cutting required
- 🔌 **POE compatible** providing power and data over standard CAT5e/6/7 cable
- 🌐 **Local monitoring** provides alarm notifications – a visual aid to show swing-handle and reader status
- 📞 **Remote alarm monitoring** provides operators with up-to-date live events in graphical and text formats
- 👤 **Remote releases** can be issued by designated administrators who have been supplied with specific access privileges on the FUSION system
- 📹 **CCTV interface** to record activities at the rack while it is open
- 👉 **Non-handed** – industry standard action both left and right, can be used with either right or left handed doors
- 🔒 **Sturdy** glass filled nylon and cast zinc construction
- 📄 **Simple surface mount design** that can be fitted by OEM cabinet manufacturers, plug & play with no cutting into racks – adaptor kits available
- 🔑 **Integration with Access Control Systems** – manage who is accessing the server room as well as the racks
- 📺 **Offline locations** – if server is down for whatever reason, access decision is made locally at the reader in the rack handle

Technical Specifications

Power over Ethernet Technology

PoE delivers power and data over CAT5e/6/7 cable

Electronic Rack Handle

Requires one RJ45 connection to a PoE (Power over Ethernet) switch or Power Injector

Smartcard Technology

- MIFARE® (13.56MHz) ISO 14443A, ISO 14443B and ISO 15693 Standard cards or tokens (DESFIRE® & NFC)
- Fingerprint Biometric Reader

