

Forcefield™ 7.2.1

Integrated security management platform



Overview

Forcefield is an integrated security management platform that seamlessly combines access control, intrusion detection and video surveillance into a single, unified system. Forcefield works with the Challenger product, one of the most widely used security systems in Australia and New Zealand.

Forcefield allows you to control doors, alarms, user access, cameras (including PTZ cameras), digital recorders, intercoms and video switchers from a single operator screen on a Windows PC. Integration to digital video recorders through Forcefield's video module gives you the ability to link events to video footage and control the video system from within Forcefield.

Operators can manually view live or recorded footage, which can be recalled from graphic maps or via drag-and-drop from a list into a matrix view. Matrix views can be saved and recalled, on the go, by operators to save time. PTZ cameras can be controlled directly by operators or sent to a preset automatically on alarm.

Any event received by the Forcefield system from Challenger field hardware can be linked to video footage allowing for fast response time in the event of an emergency and easier post-event investigation. Footage can be saved from within the Forcefield workstation and sent to Police for review.

Forcefield boasts a real-time operating system at its core for enhanced security and reliability while maintaining the flexibility and convenience of Windows workstations.

Automatic user import/export allows integration with visitor management and human resource systems to streamline people management in your organisation. Third-party systems can also be integrated to support pagers, duress solutions, intercom switchers and video systems.

Forcefield has a multi-node architecture which allows for modular scalability and distributed processing, eliminating the risk of one single point of failure. Wide area network server failover provides continuous access to your network across two distant locations.

Forcefield is scalable from a single site to a multinational deployment providing the network architecture that is critical to seamless real time multi-site and multi-user operation.

Forcefield is the best solution to manage today's fast changing security needs by building on your investment in the Challenger security system.

VM Support

Forcefield 7.2.1 gives security customers the ability to run Forcefield within a virtualized environment. This integration provides the following features and benefits:

- Simplifies disaster recovery configurations for IT departments,
- Allows for deployment in standard virtual server environments,
- Potentially increases performance due to more powerful hardware,
- Enterprise Forcefield license available, and
- No host OS required. QNX installed straight on server hardware using VMware ESXi.

Features

- Supports all Challenger control panels
- Support for 3G connection to Challenger10, ChallengerSE and ChallengerLE panels fitted with 3G Communication Module
- Windows 8.1 support
- Highly scalable solution supporting thousands of doors, cameras and alarm points
- High-level integration to third-party systems such as intercom, duress, HR and video
- Control doors, alarms, user access, cameras (including PTZ cameras) and digital recorders from map display
- Off-site server redundancy option
- Powerful third-party video integration, providing device status and video verification of alarms
- Supports up to 999 digital video recorders
- Automation of tasks based on specific events and operator actions
- Macro logic style event triggers
- Advanced alarm monitoring
- Powerful reporting features
- Integrated Photo ID
- VM Support

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Specifications

System Specifications	Forcefield	Forcefield Enterprise VM
Max. Challenger panels per node	32	128
Max. clients per node (Max. in a system)	5 (35 – 40) ⁴	20 (200)
Max. nodes per system	7 – 8 ⁴	20
Sustained events per second (burst rate higher)	10	20
Hot standby option	Yes	Yes
History events	6.5 million	6.5 million
Users	Up to 1 million	Up to 1 million
DVR's per system	999	999
Hardware Specifications		
Part number	TS9100	TS9120VM
Ports:		
Ethernet	2	2 *
VGA	1	2
USB	2	2
Keyboard, Mouse	PS/2	USB
Serial Ports	4	1
In-built storage media	USB	DVD-ROM / USB
RAID	No	Yes
Rack Mount	No	Yes
Power supply	External	Internal dual redundant

* Please refer to Installation Manual for configuration requirements

Hardware and PC Requirements

Client PC Requirements ³	
Operating system	Windows 7 Professional or above (32- and 64-bit) Windows 8.1 Professional or above (32- and 64-bit)
RAM	2GB RAM
Network card	100Mbps/1Gbps
VM Server Hardware	
Dell™ PowerEdge™ R630 Rack Mount Server	
CPU	Intel Xeon E5-2609 v4 1.7GHz,20M Cache
Disk	2 x 200GB Solid State Drive SATA Write Intensive 6Gbps 2.5in Hot-plug Drive
RAM	8GB RDIMM, 2400MT/s, Single Rank, x8 Data Width

Ordering information

Forcefield will only be licensed to trained and assessed Forcefield installers. Accreditation details will be checked at time of license issue. System will not operate without a valid license.

Hardware Options	
TS9100	Forcefield hardware
TS9120VM	Forcefield Enterprise hardware VM ¹
Licensing Options	
TS9110	Forcefield Clients
TS9112	Ascom Nira Pager/Duress
TS9113	Jacques Intercom
TS9114	32+ Challengers on a single-node system (max. 64). This option must not be used with a multi-node system.
TS9115	Multi-node capability ² (License not required for Enterprise version). Additional Forcefield hardware must be purchased separately
TS9116	Third Party integration (see your supplier or Interlogix sales representative for additional information)
TS9117	Interlogix video integration ²
TS9118	Hot Standby backup server capability (also requires TS9115)
TS9119	Auto user import/export
TS9170	Commend Intercom License (One required per intercom station) integration
TS91716	16-camera license
TS91732	32-camera license

Notes

¹ Forcefield Enterprise training level required.

² Forcefield Integration or Enterprise training level required.

³ A Forcefield client can be used to display multiple video streams from video devices. The number of video streams for client and per monitor depends on the client computer's specifications such as CPU, video card, operating system and memory.

⁴ Lower limit with Hot Standby enabled/Upper limit without Hot Standby enabled.

Specifications subject to change without notice.

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TS9100-DS-161129-10