

Overview

Forcefield by GE is an integrated security management platform designed to provide unparalleled control and management of GE's Challenger security system and video surveillance technology. GE's Challenger is 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 and even video switchers from a single operator screen on a Windows PC.

Multiple monitors connected to a Forcefield client can turn an operator workstation into a pseudo control room where alarm, access and video can be managed from one station. Powerful features such as virtual video matrix³, video and panel synchronization and alarms for video loss/DVR failure are included.

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

Third party interface options are also available supporting pager systems, duress solutions, intercom switchers and other systems.

Forcefield has a multi-node architecture which allows for modular scalability and distributed processing, eliminating the risk of one single point of failure. A Hot Standby option can provide redundancy in the event of main node failure. If communication to the main node fails it can be redirected to the backup node.

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.

All events 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.

Forcefield can best manage today's fast changing security needs, and the environment in which security must operate, by building on your investment in GE's Challenger security system.

Forcefield

Integrated security
management platform



Features

- Advanced alarm monitoring
- Powerful reporting features
- Integrated Photo ID
- Powerful management and control of GE's Challenger security system
- Control doors, alarms, user access, cameras (including PTZ cameras) and digital recorders from map display
- Virtual video matrix capability allows multiple video monitors per Forcefield workstation each capable of displaying multiple camera views³
- Hot standby option for redundancy
- Warning for video loss event or DVR offline status
- Time synchronisation between Forcefield, DVR and Challenger panel
- Guard tour ensures guards check in at specified checkpoints and time intervals
- Database partitioning for multi-tenant or multi-site locations



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Specifications

System Specifications	Forcefield	Forcefield Enterprise
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	99	99
Hardware Specifications		
Hardware	TS9100	TS9120
Ports: Ethernet, parallel, VGA, keyboard, mouse	Yes	Yes
Serial Ports	4	5 (expandable via TS9073)
In-built storage media	CD-ROM drive	CD-ROM and ZIP drive
RAID	No	Yes
Rack Mount	No	Yes
Power supply	External	Internal dual redundant
Internal modem	No	Yes

Hardware

Forcefield hardware may be used as a main server, hot standby unit or as additional nodes for system expansion.

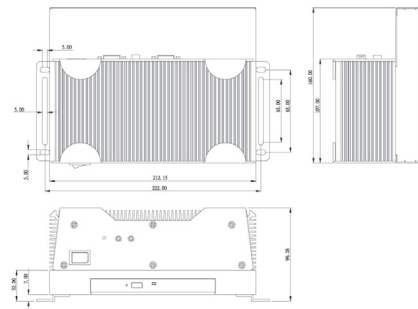


Forcefield
TS9100



Forcefield Enterprise
TS9120

Dimensions



Width: 229mm
Height: 96.3mm
Depth: 160mm
(Includes mounting plate foot print)

Standard 4U Size
Enclosure

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
TS9120	Forcefield Enterprise hardware ¹
TS9073	Rocket Port Card
Licensing Options	
TS9110	Forcefield Clients
TS9111	Video Switcher (GE video switchers are supported without additional licensing)
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 DAS/Hillsec Sales representative for additional information)
TS9117	GE DVR integration ²
TS9118	Hot Standby backup server capability (also requires TS9115)
TS9119	Auto user import/export
Client PC Requirements ³	
Operating system	Windows XP Professional (SP2) or Windows 2000 Professional (SP4)
RAM	512 MB RAM
Network card	10/100
Keyboard	Standard
Mouse	Yes

Notes

¹ Forcefield Enterprise training level required.

² Forcefield Integration or Enterprise training level required.

³ A Forcefield Client workstation can be used to display multiple video streams from the SymDec or SymSafe Pro range of digital video recorders. The number of video streams per workstation and per monitor depend on the client computer's specifications such as CPU, video cards, operating system and memory. Refer to *Forcefield-SymDVR Integration Notes*, Rev 5.0 or later, for details.

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

