

SystemsGuard DT

Logical access control

Biometric
authentication

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SystemsGuard™ fingerprint recognition system is the premium choice for professional biometrics-based computer and network protection. SystemsGuard offers a highly secure yet convenient way of logon authentication: one-touch access to the operating system, applications and network resources. With its unique approach to biometric logon protection, SystemsGuard offers unparalleled flexibility and security for protection of network resources. SystemsGuard information security applications can be connected to AccessGuard, Guardware's physical access control system, thus creating a unified, biometric security environment. SystemsGuard DT, the desktop reader is equipped with a keypad and an LCD.



Guardware

THE FINGERPRINT COMPANY™

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Key features

- **Computer and network protection**
SystemsGuard substitutes the traditional username/password type operating system and network protection with fingerprint-based authentication. SystemsGuard software provides refined allocation of logon and network resource access rights.
- **Live finger detection technology**
Guardware's active biosensor rejects finger replicas that may compromise the system. The patented biosensor performs static and dynamic measurements, and blocks the authentication process if presented with a fake (e.g. silicon, rubber, or gelatin) finger.
- **Extending Windows logon security with a biometric layer**
Most biometric security products features standard OS-integration, which means that a method able to bypass the native Windows logon will also bypass the biometric protection. SystemsGuard replaces central components of the logon mechanism thus providing a higher level of logon security.
- **Sophisticated protection of networked resources**
SystemsGuard allows unparalleled administration flexibility for protection of Windows network resources as it allows restrictions not possible in a traditional Windows network. SystemsGuard provides unique features such as the ability to grant selective access rights for users of the same domain, and protecting a networked server or client from being accessed by a computer without SystemsGuard protection.
- **Durable optical fingerprint scanner**
The large-surface, high-resolution optical scanner produces high-quality images containing more details of the fingerprint, resulting in highly reliable performance with low error rates. The scratch-resistant prism and the robust chassis make SystemsGuard DT a durable fingerprint recognition device.
- **X-factor authentication**
Guardware's advanced image processing technology and sophisticated fingerprint matching algorithms enable personal identification based on the fingerprint only. Two- or three-factor authentication using a PIN and/or a smart card is optionally available for added security.
- **Keypad and LCD**
Besides secure authentication, interactive communication is an important feature of many custom applications. Having the numeric keypad and the graphical LCD, SystemsGuard DT can be used as a client terminal in customer service environments.

Specifications

••••• Physical dimensions:	146(W) × 53(H) × 100(D) mm
Scanner surface:	20×24 mm
Image resolution:	500 dpi
Tolerance of finger positioning:	±45° rotation, ±5 mm off-center placement
Display:	128 × 32 pixel graphical LCD
Keypad:	16 key numeric keypad
Smart card reader (optional):	PC/SC compatible
Hardware interfaces:	USB, EPP parallel, RS-232 (for smart card reader)
Power consumption:	max. 400 mA @ 5 V from USB or PS/2 port

Performance

••••• Enrollment time:	< 5 seconds/finger
Typical authentication time:	< 1 second
False acceptance rate (FAR):	< 1:1,000,000
False rejection rate (FRR):	< 1:100 (experienced users)

System requirements

- 200 MHz Pentium or compatible processor, 64 MB RAM
Windows NT 4.0, Windows 2000 or Windows XP

Model overview

- SG-DT-00 SystemsGuard DT desktop fingerprint scanner
- SG-DT-10 SystemsGuard DT desktop fingerprint scanner with smart card reader

