

Technical Data	
Dimensions	210 x 135 x 47 mm (without PSU) 346 x 280 x 85 mm (with PSU)
Weight	600g (without PSU), 4.9kg (with PSU)
Operating environment	-5°C to + 50°C, 0 to 95%RH (non-condensing)
Power Supply	Input: 10 to 14VDC, 1A (without PSU) 220 to 240VAC, 80VA (with PSU)
Cards	5000
Readers	Maximum of 2/4* readers using TDSi eXprox, Optica® and Digital Microcard readers in a read-in/read-out configuration, or 1/2 reader using the majority of other reader, keypad and biometric technologies including TDSi Microcard and those with standard clock & data, Wiegand and HID standard 37-bit (H10302) output formats
Doors	0, 1 or 2
Inputs	4 in total; 2 used per installed door
Outputs	2 (30V, 2A rating) in total; 1 used per installed door
Expansion options	Changeover relay module adds 2 additional relay outputs and 4 additional inputs
Communications	RS-232 with built-in converter to RS-485 for downstream units, CAT V cable (screened or un-screened), optional TCP/IP module (10/100Mbps Ethernet port)
Recommended	Pentium P4, 1GHz, 256 MB RAM
PC Specification	Windows® 2000, Windows® XP Pro (Service pack 1 or 2) Serial or Ethernet Port (as required for communications method)

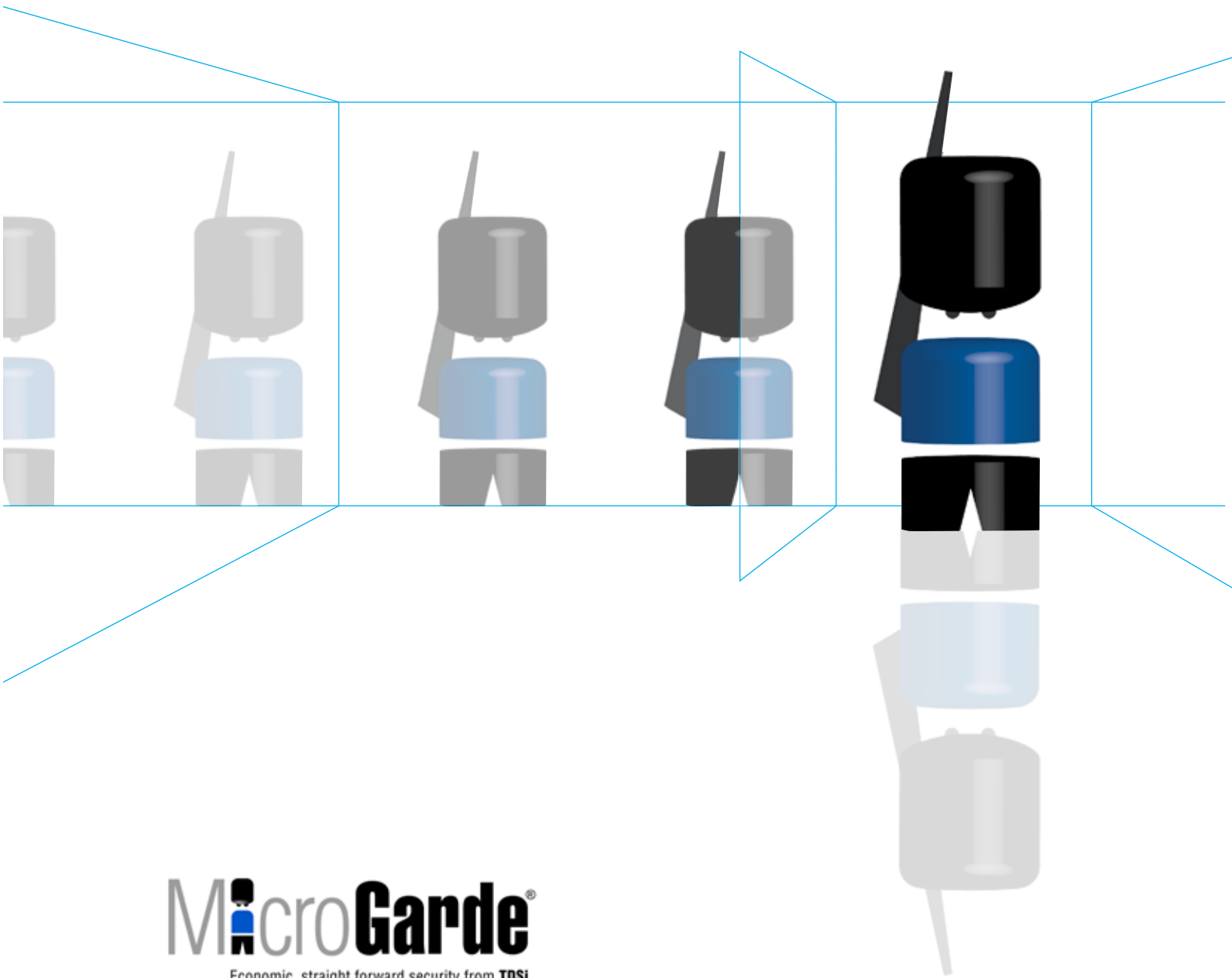
* MicroGarde II model only

Ordering Information	
Part No:	Product Description:
5002-1900	MicroGarde® I (standard – without power supply)
5002-1906	MicroGarde® I (with power supply)
5002-1910	MicroGarde® I Starter Kit
5002-1811	MicroGarde® I I/O module upgrade kit
5002-1812	MicroGarde® I TCP/IP module upgrade kit
5002-1813	RS-232 Cable
4262-0245	Proximity Cards
5002-1806	MicroGarde® II (with power supply)
5002-0440	MIFARE® Serial reader - mullion mount
5002-0450	Optical Fingerprint Reader
5002-0460	PalmGarde Palm vein biometric reader
5002-0390	Optica® Proximity reader with optical keypad
5002-0354	eXprox Proximity mullion mount reader
5002-1781	Digital Infra-Red Reader
5002-0360	Magstripe Magnetic swipe mullion mount reader

TDSi offer a full range of products
from stand alone cost effective
solutions to fully integrated systems
- visit our website for more details.

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MicroGarde®
Economic, straight forward security from TDSi

Please contact us | for general enquiries: info@tdsi.co.uk | for quotations and pricing: sales@tdsi.co.uk | for technical support: support@tdsi.co.uk

Integrated Excellence in Access Control and Security Systems

Integrated Excellence in Access Control and Security Systems



MicroGarde® I (MG I) 1 door / 2 reader controller

A cost effective networked control unit supplied with FREE software - giving the advantages of central control and event reporting. Each controller can also run independently or as part of a network.

Features of MG I

- Free Software with every controller - controlling up to 200 doors and 5000 users
- Built in Protocol converter
- Reversible 2 wire RS-485 communication
- Fire door release feature
- IP + I/O module upgrade kits available
- Easily upgraded with eXguard to include CCTV, Biometric and other alarm systems

Benefits of MG I

- Easy to use and install
- Reducing installation time and project cost
- Forgives wiring errors
- Fast and easy escape route if fire alarm activated
- Easily upgraded
- More user friendly features can be integrated

MG I starter kit

Everything you need to get started



MicroGarde® Controller
1 door controller

Part no. 5002-1900



eXprox
Proximity mullion mount
reader

Part no. 5002-0354

MIFARE®
Serial number reader -
mullion mount

Part no. 5002-0440

**Optical Fingerprint
Reader**
Upgrade required

Part no. 5002-0450

PalmGarde
Palm vein biometric reader
Upgrade required

Part no. 5002-0460

Optica®
Proximity reader with
optical keypad

Part no. 5002-0390



RS-232 cable

Part no. 5002-1813



Proximity cards
With card number printed

Part no. 4262-0245

Magstripe
Magnetic swipe mullion
mount reader

Part no. 5002-0360

Digital Infra-Red Reader

Part no. 5002-1781

How does the MicroGarde® I controller work?



What accessories are available for the MG I?

For IP connectivity you will need

- Optional TCP/IP module
Part no. 5002-1812

For additional input / outputs, such as
Fire alarm monitoring
General alarm monitoring
Triggering heating or lighting systems
you will need

- Optional I / O module to provide
+4 additional inputs
+2 programmable relay outputs
Part no. 5002-1811

For more information visit our website
www.tdsi.co.uk

Need more Control?



New

MicroGarde® II

For 2 door networkable access control, up to 400 doors with all the features and benefits of MG I.

Part no. 5002-1806

Reduced installation time and cost // Simple to specify and install // Scaleable and expandable // Easy to maintain // No hidden costs