
TemaServer2 Controller



Increased security, flexibility and performance

**THE NEW GENERATION OF
TEMALINE CONTROLLER**

TS2

The new generation of Temaline controllers provide increased security, flexibility, performance and are even easier to configure.

The TS2 remains a fully autonomous controller and continues to offer a high level security solution that you can trust.

Thanks to the peer-to-peer communication the TS2 offers the full availability of peripheral devices even in case of disconnection from the supervisory centre.

The unique shared-load capability ensures 100% availability of your field devices in the case of failure of a controller.

Higher performance

- The TS2 memory allows you to manage up to 250k cards. The factory default setting is to manage 100k cards complete with personnel names, 100k transaction buffer and 10k event buffer.

NUMBER OF CARDS	TRANSACTION BUFFER	EVENT BUFFER
100,000	100,000	10,000

- The memory is fully configurable enabling it to be used in a way that best meets the project needs: eg in a large facility it will be configured to accept the maximum number of cardholders.
- The new TS2 supports up to 16 doors with a reader on each side of the door.
- With on-board 100MB Ethernet connection the new TS2 is able to maximise the usage of the network capacity, making the firmware and data download faster.
- All Temaline 'TemaKey' devices are supported by TS2.

More secure

Communication with the supervisory level can be set as IPSEC (Internet Protocol Security). This ensures the origin of data authentication, data integrity, data confidentiality (encryption) and replay protection – ensuring total security of the communications.

It's also possible to enable IEEE 802.1x authentication with a Radius server whenever the customer site supports such IT infrastructure. This ensures a higher level of protection.

The communication with field devices includes command authentication to ensure that commands sent to outputs are coming from the right and certified source. It also encrypts the card numbers to avoid any 'capturing' from sniffer devices – making security system breaches from external devices virtually impossible.

With the possibility to be configured in a redundant architecture, the TS2 can guarantee full availability of your security system 24/7.

More flexible

TS2 supports Access Control, T&A and Lift Management in one application allowing you to optimise the use and the distribution of your devices.



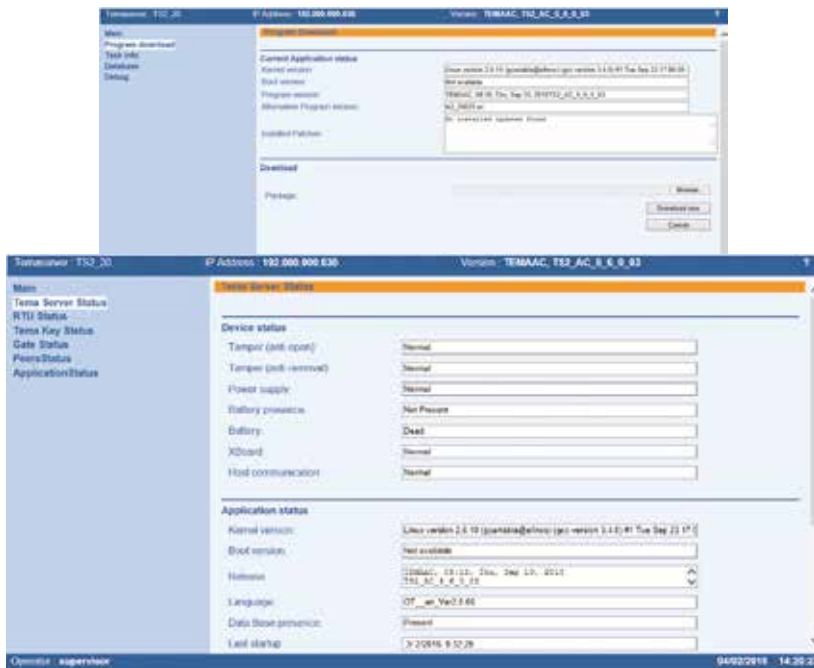
Easier to use

An intuitive Web interface makes the TS2 available via any Web browser. This makes it easy to configure, download the latest firmware or carry out any maintenance activity.

Different operator profiles enable the correct operability for the operator and a 'user wizard' makes field device commissioning very easy and minimises errors.

Technical Features

- Microprocessor Freescale Coldfire MCF5471, 32bits with Linux O.S.
- 128 MB of high performance DDR SRAM
- 64MB of FLASH memory
- Management of up to 16 doors with readers on both sides of the door
- Management of up to 64 Inputs and 64 Outputs
- Autonomous clock/calendar with geographic time zone support and daylight saving time. Ten days of autonomy in case of power failure
- Battery backup, with full functionality for 90 minutes in case of power failure and signalling of the battery-charge status
- Low voltage power-supply (12V DC/AC) for safety during maintenance
- Tamper protection of the unit to detect unauthorised opening
- Watchdog protection for recovering in case of malfunctions



Key Features

- Management of up to 16 doors
- Up to 250,000 cards memory
- 10/100MB direct LAN/WAN connection
- Based on Linux Operating System
- WEB pages for Commissioning and Maintenance features
- IPSEC with 3DES encryption on LAN communication
- Command authentication on LON devices
- Card number encryption
- Antipassback management
- Threat-level management, up to 5 levels
- Card only, card+PIN, PIN only transits.
- Card reading during DB download

TECHNICAL SPECIFICATION

Microprocessor 32bits - Freescale Coldfire MCF5471 Operative system LINUX
Flash memory High reliability NOR Flash Spansion 64 Mbytes
SDRAM memory High performance DDR 128 Mbytes
Real time clock Internal RTC; retention time 10 days using super capacitor
Security screw 2 Torx screw
Anti-tampering 1 internal switch (against opening)
Battery recharge time 80% of capacity in 8 hours
Battery autonomy 90 minutes (Battery 100% efficiency)
LONWORKS™ connection Unshielded twisted-pair cable in free topology (MIP FT3150)

ELECTRICAL SPECIFICATION

Supply Voltage	12V DC -20% / +20%
Power Consumption	400mA (nominal), 600mA max. (during battery recharge time)
Interface	10/100 BaseT standard unshielded cable on RJ45 - Auto-MDIX: automatically detects and corrects for straight or cross-over cables

PHYSICAL SPECIFICATION

Protection Rating	IP55
Dimensions (W x H x D)	221mm x 305mm x 47mm
Weight	2.4 Kg (including frame and battery)
Colour	Grey RAL7035
Case material	ABS, rated UL 5VA, 3 mm thick

ENVIRONMENTAL SPECIFICATION

Operating Temperature	-10°C up to +50°C
Storage Temperature	-20°C up to +50°C
Storage humidity	Up to 90% not condensing

Certification	EN60950, EN50130-4, EN55022-B, EN55024, EN50133 Recognition class: 2, 3 Access class: B Environment Class: II RoHS / WEEE compliant device Directives 2001/95/EC, 2011/65/EU
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Find out more:

www.temaline.honeywell.com

Honeywell Security & Fire

Via della Resistenza 53/59
20090 - Buccinasco (MI)
Italy
www.honeywell.com

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Integration with SAP Applications

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