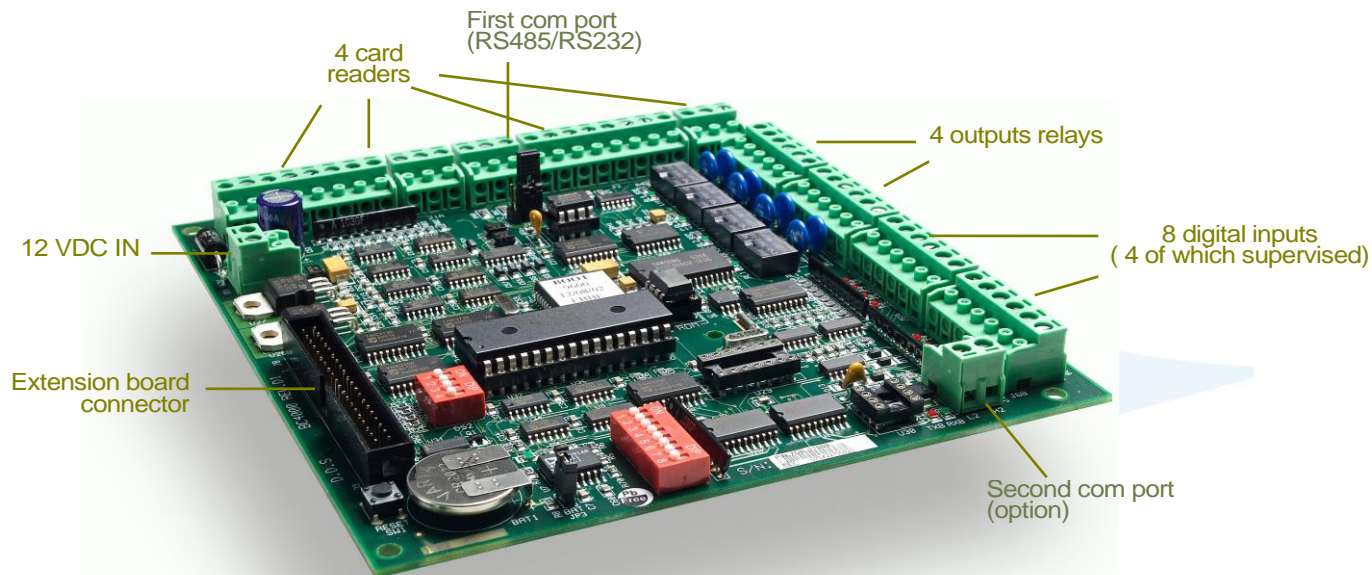










# TPL, access & alarm controller for all size installations



							
up to 44,000	4	4	8/16	4/64	up to 47,000	2	ext board (option)

## Overview

TPL controller is especially suited to high-security access control and real-time monitoring environments. DDS best-seller controller is adapted to a wide range

of installations, from medium size to complex multi-sites installations. It is available in two versions: 2-door/4-reader or 4-door/4-reader.

## Benefits

**High capacities are reached** via the TPL's RAM dynamic allocation between cardholders and events buffer. This allows getting maximal capacities of 44K cardholders for the TPL controller (4 readers / 2 doors) – 32K cardholders for the TPL-D4 controller (4 readers / 4 doors) - or 47K events in memory, according to the on-board ROM.

**The controller's 8 inputs** (4 of which supervised) and 4 outputs can be extended to 16 inputs (12 of which supervised) and to 64 outputs, with the addition of plugin extension boards and satellites.

**The controller can be connected** to the PC via RS485/RS232 or TCP/IP; the latest is available from a plug-in extension card.

**Programming is simple** and the Flash memory allows easy firmware upgrade.

**Boosted communication security** is achieved through optional second serial bus for redundant communication with host allowing event alarm mode, global reflex and anti-passback without PC. Communication encryption and use of new technologies provides maximal protection against external perturbations and reinforce the security.

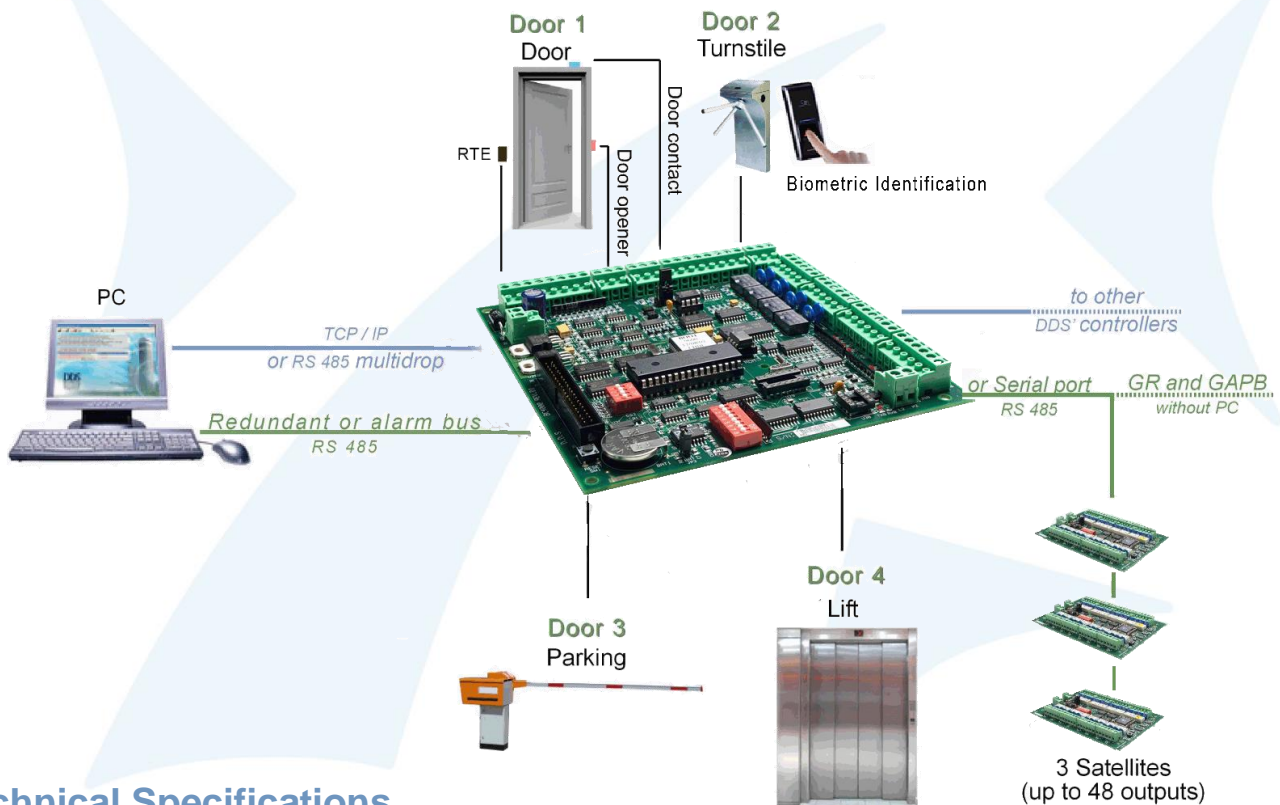
**TPL takes independent decisions** at the local level, such as door opening or outputs / reflexes triggering, without any computer intervention.

**TPL fits a wide range of installations.** It is easily integrated within external BMS applications, and can be associated to other DDS controllers.

## Key features

- 4-reader/2-door (TPL4)  
or 4-reader/4-door (TPL4-D4)
- 8 digital inputs (4 of which supervised),  
extendable to 16 inputs (12 of which supervised)
- 4 relays (each with 3 outputs contacts),  
extendable to 64
- 512K RAM memory for operating database, backed  
by lithium battery to last for 10 years
- Up to 44K cardholders  
(up to 32K cardholders for the TPL-D4)
- Up to 47K events in buffer with RAM dynamic allocation
- 1 MB Flash memory for application firmware  
(downloaded from PC)
- 255 daily programs, 127 weekly programs
- 180 holidays and Special days
- 255 reflexes (local & network)
- 2 serial ports  
(RS232/RS485 and optional second bus RS485)
- Redundant bus
- Global reflexes and APB without PC via the second  
bus of communication
- Polling or event driven operation
- Programmable communication encryption
- TCP on board (optional)
- Autonomous decisions at the local level without  
degradation
- Multi-technology: biometric, smart card, proximity,  
magnetic, etc.
- Speed from 4.800 to 38.400 Bauds
- Removable connectors
- High reliability in adverse environments

## Example of Achitecture



## Technical Specifications

Board dimension: 158x149x20 or 32 mm  
 Operating temperature: 0° C to +55° C  
 Storage temperature: -10° C to +65° C  
 Operational humidity: 10 to 95% RH  
 Board weight: 270g

Board weight: 230g  
 Working voltage: 12 VDC +/- 20% 120mA  
 Alarm input max voltage: +/- 30V  
 Approvals

