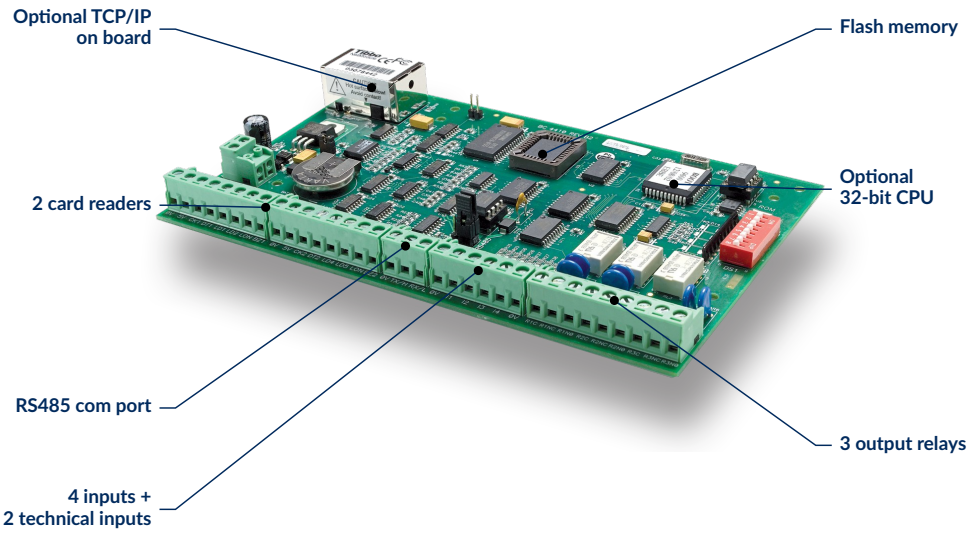
DDS
Building Security Together

OPEN 2-door Access & Alarm Controller

Overview

OPEN brings DDS access control and alarm management together on one compact board. Supervising the entries and exits of 1 door, or the entries or exits at 2 doors, it stores up to 163,000 cardholders and 200,000 events, offers optional on-board TCP/IP, and keeps making decisions locally even if communication with the host fails.

- **Up to 163,000** CARDHOLDERS
- **Up to 200,000** EVENTS
- **1 / 2** DOORS
- **2** READERS
- **4 + 2** INPUTS
- **3** OUTPUTS
- **1** COM. BUS
- **On-board (option)** TCP/IP
- **1 + 1 (option)** PROCESSORS



Benefits

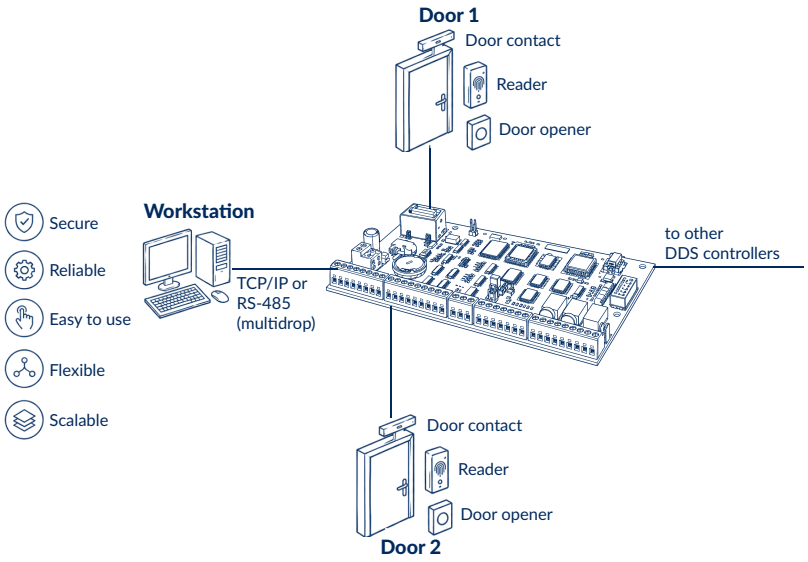
- **Compact and complete.** A 2-reader/1-door or 2-reader/2-door controller fitting a wide range of installations, including doors, parking and interlock. It comes with 6 inputs and 3 relays.
- **High capacities** of up to 44,000 cardholders, expandable to 163,000 with 2M of memory. Depending on its configuration, it can store up to 47,000 events, expandable to 200,000 with 2M of memory.
- **Dual CPUs.** The high speed CPU deals with all access control and alarm management tasks in high security installations that require very large databases. A second optional 32 bits CPU improves the controller speed.
- **Simple installation and programming,** and a Flash memory allows easy firmware upgrade.
- **Robust and autonomous.** Capable of withstanding the most adverse environments, it makes autonomous decisions at the local level without degradation, even in the event of communication failure.
- **Elaborate access control** capabilities include daily and weekly programs, holidays, security levels, RTX, escort, anti-passback, etc.
- **Alarm management** functions supervise local and global reflexes, unsuccessful attempts, door alarm, duress alarm, etc.
- **Secure communication.** Optional TCP/IP on board.
- **Part of the DDS range.** OPEN can easily be associated with other DDS controllers.

OPEN capacities according to the RAM

RAM	MAX. CARDHOLDERS	MAX. EVENTS
512K	44K	47K
2M	163K	200K

With RAM dynamic allocation between the cardholder database and the events buffer.

Architecture



Technical specifications

Working voltage	**12 VDC ±20 %**
Consumption, with TCP/IP	**350 mA**
Alarm input max voltage	**±30 V**
Operating temperature	**0 °C to +55 °C**
Storage temperature	**−10 °C to +65 °C**
Operational humidity	**10 to 95 % RH**

Approvals

CE RoHS compliant Pb

DDS Ltd. 16 Hauman Street, Ind. Zone Talpiot, Jerusalem 9342176
P.O.B. 4413, Jerusalem 9104301, Israel · Tel. +972.2.6788264
sales@dds-security.com · www.dds-security.com · © DDS 2026 · Doc 51PE112-2026

DDS
Building Security Together

Key features

DOORS, READERS & I/O

- 2-reader/1-door or 2-reader/2-door
- 4 supervised (4 states) inputs
- 2 technical inputs for housing tamper and power failure detection
- 3 relays (each with 3 output contacts) with leds
- Reader sabotage detection
- Multi-technology: biometric, smart card, Wiegand, magnetic, etc.

MEMORY & DATABASE

- Up to 44,000 cardholders (expandable to 163,000)
- Up to 47,000 events in memory (expandable to 200,000)
- 512K RAM (expandable to 2M) for the operating database, backed by a lithium battery to last for 10 years
- 1MB Flash memory for application firmware (downloaded from PC)
- 2nd optional 32 bits CPU for improved speed

PROGRAMMING & AUTONOMY

- 255 daily programs
- 127 weekly programs
- 180 holidays and special days
- 255 reflexes (local & network)
- Global reflex and APB
- Autonomous decisions at the local level without degradation

COMMUNICATION & SECURITY

- Communication via RS485 Com Port
- Optional TCP/IP on board
- Baud rate from 9,600 to 115,200

POWER, INSTALLATION & RELIABILITY

- Power supply 9 A, UL (optional)
- Removable connectors
- Withstands the most adverse environments