



Door controller



DIN rail mounting.

xWGD 46 door controller can be used for connecting 2 readers with a standard Wiegand data output and/or up to 4 Aperio wireless locks into APS systems.

The controller can be supplied with embedded TCP/IP communication interface, which can also operate as a communication converter for other modules connected to RS 485 line (APS mini, APS mini Plus).

The controller is supplied in boxes suitable for

Basic technical features

| | APS^{mini} | APS^{mini}+ | APS⁴⁰⁰ |
|-------------------------|--|--|--|
| Trade description | AWGD 46 AWGD 46LIFT AWGD 46XT | MWGD 46 MWGD 46LIFT MWGD 46XT | NWGD 46 NWGD 46LIFT NWGD 46XT |
| Operating voltage | 8 ÷ 28 V DC | | |
| Current consumption | 70 mA, max. 230 mA (IP version) | | |
| Interface for ID reader | 2x Wiegand, 4x Aperio | | |
| Card memory | 748 users + 2 master cards | | 748 ^{*)} (emergency funtion) |
| Events memory | - | 5,760 | - ^{*)} |
| Time schedules | 64 per day of the week and for holidays + never / always | | - ^{*)} |
| Real-time clock | Available, with min. 12 hrs backup | | - ^{*)} |
| Inputs | 4x logical potential-free contact | | 4x input ^{*)} |
| Outputs, indicators | 4x relay NC/NO, 2A/24V, LEDs on board, 2x ext. buzzer | | |
| Communication interface | RS 485, optionally Ethernet | | |
| Tamper protection | Terminals for external NC contact | | |
| Weight | 0.250 kg | | |
| Operating environment | Indoors, -10°C ÷ +40°C, humidity max. 75% non-condensing | | |
| Housing & dimensions | 6 DIN units, low profile | | |

^{*)} Identification events authorization and behavior of the APS 400 network modules are provided by the system controller. Specific parameters can be found at www.techfass.cz.

Examples of supported readers

| | | |
|---------|----------|--|
| WREM 63 | 51463001 | Standard reader 125 kHz, EM Marin/HID Proximity |
| HID R10 | 51231000 | Standard reader 13,56 MHz, HID iClass/Mifare |
| C 100 | 51800000 | Aperio wireless lock with reader 13,56 MHz, Mifare |



WREM 63



HID R10



C 100

Versions & Compatibility

| Module version | Code | Note | IP interface | Events archive | ACS SW | Extensions |
|----------------|----------|------------------------|--------------|----------------|--------|------------|
| AWGD 46 | 52446400 | 2x Wiegand, 2x Aperio | — | — | • | — |
| AWGD 46LIFT | 52446C00 | Lift control, 4 floors | — | — | • | — |
| AWGD 46XT | 52446600 | 2x Wiegand, 4x Aperio | — | — | • | — |
| AWGD 46.IP | 52446500 | 2x Wiegand, 2x Aperio | • | — | • | — |
| AWGD 46LIFT.IP | 52446D00 | Lift control, 4 floors | • | — | • | — |
| AWGD 46XT.IP | 52446700 | 2x Wiegand, 4x Aperio | • | — | • | — |
| MWGD 46 | 53446400 | 2x Wiegand, 2x Aperio | — | • | • | licensed |
| MWGD 46LIFT | 53446C00 | Lift control, 4 floors | — | • | • | licensed |
| MWGD 46XT | 53446600 | 2x Wiegand, 4x Aperio | — | • | • | licensed |
| MWGD 46.IP | 53446500 | 2x Wiegand, 2x Aperio | • | • | • | licensed |
| MWGD 46LIFT.IP | 53446D00 | Lift control, 4 floors | • | • | • | licensed |
| MWGD 46XT.IP | 53446700 | 2x Wiegand, 4x Aperio | • | • | • | licensed |
| NWGD 46 | 54446400 | 2x Wiegand, 2x Aperio | — | *) | *) | *) |
| NWGD 46LIFT | 54446C00 | Lift control, 4 floors | — | *) | *) | *) |
| NWGD 46XT | 54446600 | 2x Wiegand, 4x Aperio | — | *) | *) | *) |

*) Selected features are determined by the APS 400 system controller.

TECHFASS® product lines

- The very popular **APS mini** access control system enables building up many applications for family and apartment houses, small companies and commercial premises.
- The **APS mini Plus** access control system is a generally applicable system, which is capable of covering all typical access control and time and attendance solutions. The system is suitable for both smaller standard access control systems, and for large and remote systems using an online server.
- The **APS 400** system controllers can control up to 64 reader modules; manage up to 15,000 users and store up to 57,000 records in their events memory when operating in offline mode. A unique feature of the system is the ability to set the behavior of all connected modules by a **user-defined program**.

| | APS mini | APS mini Plus | APS 400 |
|-------------------------|---------------------------------------|--|--|
| Function: | fixed | fixed | programmable |
| ID memory: | 748 | 748 | 15,000 |
| Online authorization: | N/A | >10 ⁷ | >10 ⁷ |
| Off-line events: | N/A | 2000 | 57,000 |
| Time schedules: | 64 | 64 | 128 |
| Addresses / comm. line: | 32 | 32 | 64 |
| Lines per system: | unlimited | unlimited | >32 |
| Management: | master cards or PC CFG, management | master cards or PC CFG, management | PC |
| Software for free: | CFG, management | CFG, management | programming & CFG, management (up to 10ID) |
| Software extensions: | | alarm graphics, basic T&A, complex T&A, web,... | alarm graphics, basic T&A, complex T&A, web,... |