

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	APS 400
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 ¹⁾ (emergency funtion)
Events memory	-	5,760	- ¹⁾
Time schedules	64 per day of the week and for holidays + never / always		- ¹⁾
Real-time clock	Available, with min. 12 hrs backup		- ¹⁾
Inputs	4x logical potential-free contact		4x input ¹⁾
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		

¹⁾ 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:	<i>fixed</i>	<i>fixed</i>	<i>programmable</i>
ID memory:	<i>748</i>	<i>748</i>	<i>15,000</i>
Online authorization:	<i>N/A</i>	<i>>10⁷</i>	<i>>10⁷</i>
Off-line events:	<i>N/A</i>	<i>2000</i>	<i>57,000</i>
Time schedules:	<i>64</i>	<i>64</i>	<i>128</i>
Addresses / comm. line:	<i>32</i>	<i>32</i>	<i>64</i>
Lines per system:	<i>unlimited</i>	<i>unlimited</i>	<i>>32</i>
Management:	<i>master cards or PC</i>	<i>master cards or PC</i>	<i>PC</i>
Software for free:	<i>CFG, management</i>	<i>CFG, management</i>	<i>programming & CFG, management (up to 10ID)</i>
Software extensions:	<i>alarm graphics, basic T&A, complex T&A, web,...</i>	<i>alarm graphics, basic T&A, complex T&A, web,...</i>	<i>alarm graphics, basic T&A, complex T&A, web,...</i>