



TIME SPACE

Zone Wing and Zone Door are the key building blocks of a highly-scalable, flexible access control architecture. These two devices provide optimal solution to the widest range of access control requirements.



Zone Wing & Zone Door

Zone access control architecture requires just two core components, Zone Wing, an intelligent network controller, and Zone Door, a smart door control device. By strategically dividing the control from the I/O function, this architecture offers new levels of security, flexibility and scalability, allowing the optimum balance of control, ease-of-installation and 'cost-per-door'.

ZONE WING

Zone Wing is an intelligent control device and network communication hub. Running on a Linux-based platform, it provides the storage, processing power and programmability needed for modern, key-based security. Zone Wing directly manages and executes user access rights for multiple Zone Door controllers. It also relays all messages, alarm signals and logs between the host and the points of access. It manages the resident profile database and event logs, assuring maximum autonomy should the system go offline. Two general-purpose USB ports can be used to extend the access control system with additional storage, WiFi or mobile-network connectivity. The primary host connectivity is provided via an Ethernet port.

Zone Door I/O devices are connected using an industry-standard CAN bus. One Wing controller is capable of controlling up to 64 "access channels" or individual doors. Zone Wing also has an additional anti-tamper switch input to enable secure installation in often-demanding, real-life situations.

ZONE DOOR

Zone Door is an I/O device offering maximum flexibility of input and output configurations at the point-of-access level. This includes the interface for card and biometric readers (Wiegand and RS485), door strike relays, alarms and other input and output ports. The standard configuration is up to 2 Wiegand readers - additionally it can accept RS485 devices including RS485 readers and our Zone Button/Touch peripherals. Zone Door also offers different configurations of door strikes, push buttons and alarms.

Up to 32 Zone Door devices can be connected to a single Zone Wing controller.

Zone Wing is an intelligent access controller capable of driving multiple Zone Door devices, which normally means the doors on a corridor, floor or a wing. Hence the name.

Zone Door is an innovative, low-cost point-of-access device for controlling door hardware and door-related peripherals.

DIN rail mounting

Both Zone Wing and Zone Door are mounted on a standard 35mm DIN rail (EN 50022), offering the widest choice of housing and power supply solutions, including PoE (Power-over-Ethernet).

Technical Specifications

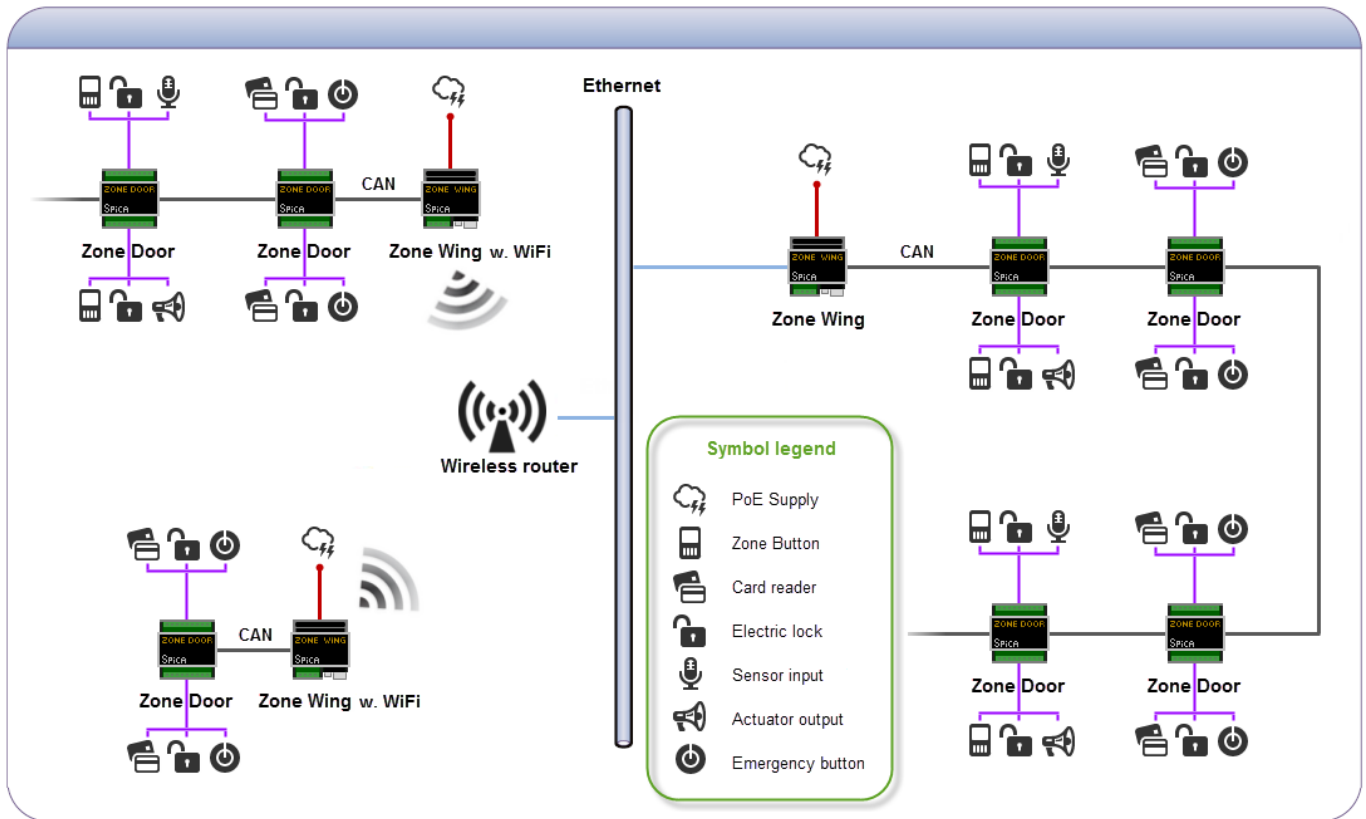
Zone Wing

Dimensions	72 x 56 x 91 mm
Mounting	Din rail 35mm – EN50022
Power Supply	12 – 24 VDC
Power Consumption	4W
Environment	Operating temperature: 0°C to +50°C, Storage temperature: -20°C to +70°C, Humidity: 10% to 90% (non-condensing)
Communication Interface	Host Communication – Ethernet Sub-network – CAN WiFi or mobile-network connectivity using USB
Interfaces	2 x USB, RS485, 2 x GP Input (for tamper switch), CAN
Storage	128 Mb, optional expansion with USB stick

Zone Door

Dimensions	72 x 56 x 91 mm
Mounting	Din rail 35mm – EN50022
Power Supply	12-24V DC, 2A max.
Power Consumption	1.5 W
Environment	Operating temperature: 0°C to +50°C, Storage temperature: -20°C to +70°C, Humidity: 10% to 90% (non-condensing)
Communication Interface	Host connection (Zone Wing or Zone Button): isolated CAN 1x RS485 interface
Reader options	2 x Wiegand or Data Clock interface, RS485 reader support available on demand
Inputs	2x standard or supervised inputs, 4x smart push buttons, 4x opto-isolated inputs via spare output terminals (active or passive inputs)
Outputs	4x relay outputs (Normally Closed/Normally Opened and Active/Passive), 1A max.
Extra Input / Output capabilities	Wiegand/Data Clock terminals can be used as Inputs or Outputs.

Connection Diagram example



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All specifications are subject to change without prior notice.

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