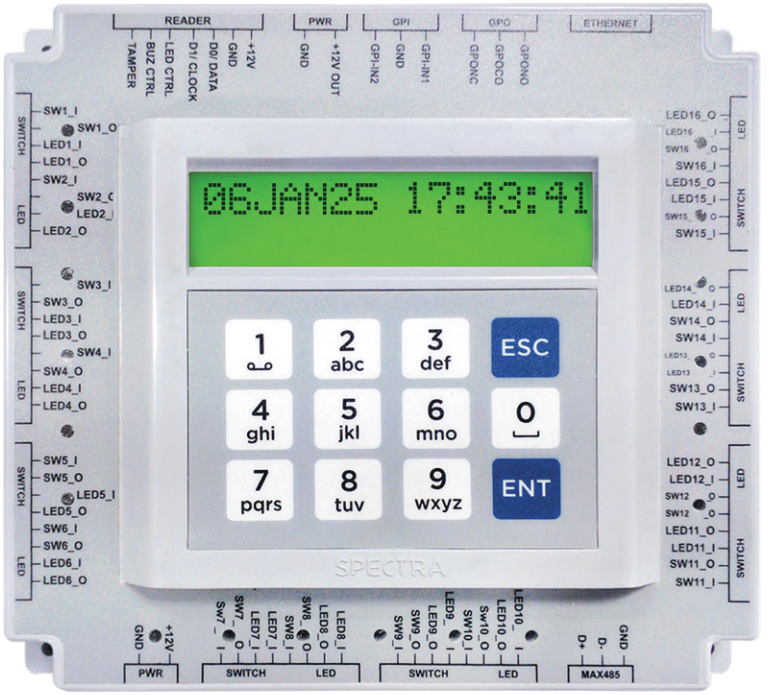
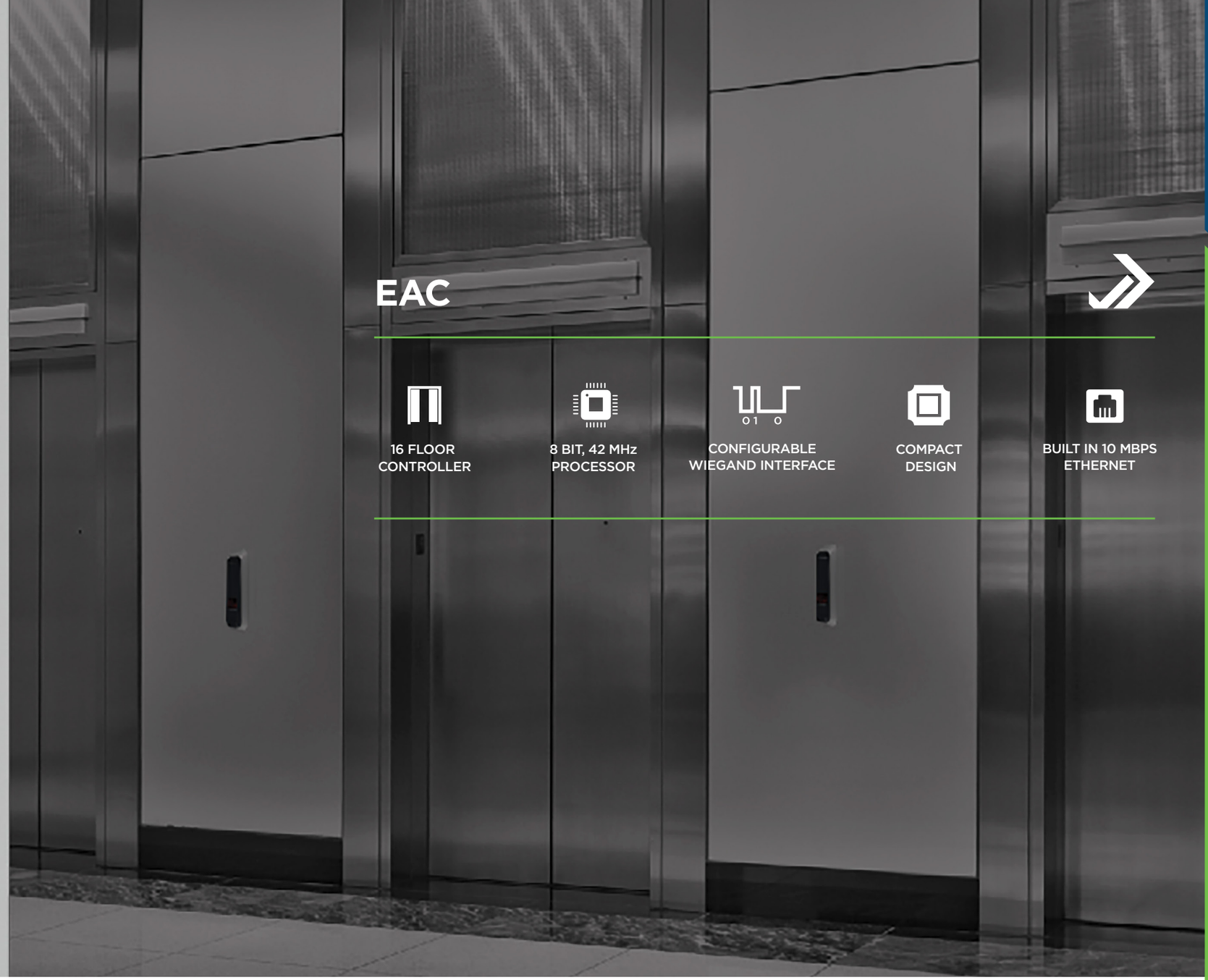
SPECTRA®
RIGHT AHEAD

25 YEARS
OF EXCELLENCE



EAC

Reliable elevator access controller, designed to allow only authorized user to access an elevator.



EAC

16 FLOOR CONTROLLER

8 BIT, 42 MHz PROCESSOR

CONFIGURABLE WIEGAND INTERFACE

COMPACT DESIGN

BUILT IN 10 MBPS ETHERNET

Key Features

One Controller per elevator car

Per elevator car one Elevator Access Controller (EAC) is must. There is no communication between two distinct elevator cars and only one card/biometric reader can be interfaced, which will be inside the elevator.

Supports Group of 16 Floors

An EAC supports upto 16 floors including ground floor and the basement. An extra EAC panel can be attached to the current one for the expansion of floors via a FRC connector.

Supports elevator car floor selection button

The elevator floor buttons are used for programming the user cards in stand alone mode. The programming mode is protected by a master card. On showing it one can add, edit or delete a user card. While adding or editing, one can select floors where the user is allowed.

Inbuilt RJ45 Network Interface

Leveraging on the merits of IP based system; it can easily be hooked up on the existing TCP/IP Network. Thus the data can be transferred instantaneously in real time mode to a centralized server.

Field Upgradable Firmware

Facility to onsite upgrade the firmware over Ethernet interface so that any customization or new version can be easily upgraded without any need of removing the device.

Supports Fail safe mode

On power failure of EAC elevator car works in normal mode in which anyone can move to any floor .

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SMART • SLEEK • POWERFUL

HARDWARE

No. of Floors	Can be expanded in multiple of 16 Floors.
No. of Floors on board	16
Keypad	12 keys membrane keypad for local programming
Controller	1 per elevator car
CPU	8 bit micro controller running @42 MHz
Program Memory	128 Kbytes
Data Memory	2 MB flash
Database	30,000 card holders
Transactions	55,000 times stamped events storage capacity
RTC	Non volatile real time clock calendar, Data retention for 10 years without external power
Communication	10 Base-T RJ45 ethernet interface (TCP/IP) with status LED indications
Reader Interface	Weigand configurable from 26 bits to 64 bits/clock data, 1 reader port
Reader Control	LED control, buzzer control and reader tamper switch input
Relay Interface	Up to 16 relay outputs for floor
Selection	3A @12V DC
Digital Inputs	2 General purpose optically isolated digital inputs
Serial Port	RS 485
Watchdog	Inbuilt watchdog supervisor
Supply	12V DC
Operating Temperature	-10°C to 50°C (14°F to 122°F)
Dimensions(mm)	H 141 x W 154 x D 33

SOFTWARE

Time Zone	60
Week off Groups	30 Week off Groups
Holiday Groups	10 Holiday groups, 30 holidays per group

ORDERING INFO

EAC	Elevator Access Contoller (16 Floors)

Technical specifications may be changed from time to time without any prior notice due to continuous enhancements in the product.

Head Office

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