

# Datasheet

## Nexus offline controller



Nexus offline controller

Technical data	
Supply voltage	14.4 VDC +/- 1+%, when used with battery backup supply voltage must be between 13.9 VDC and 14.6 VDC. The central's consumption without external loads is 150 mA at 14.4 VDC (2W)
Battery backup	12 VDC, 2.3 Ah
Reader	RS485 port support one offline reader with MOBBUS protocol. Maximal power output for each reader port is 500mA at 13.9 VDC.
Transmit frequency	13.56 MHz MIFARE-Classic/DESfire EV1
Operating temperature	-20°C to +85°C If used with battery backup, please check battery limitations
Wiring and cable installation	
Output	Lock outputs each as relay (max. 30VDC, 2A) and transistor MOSFET output (13.9 VDC at max. 1A)
Input	1 x requests to exit (voltage free) 1 x door monitors (voltage free)
Installation	Installation of the equipment must be done by a professional electrician on restricted access location
Features	
Real time clock backup capacitor	Minimum 12h
Housing	
Size	L: 71mm x W: 91mm x H: 62mm for 35 mm DIN-rail
Material	Central housing is made of self-extinguishing blend PC ABS, system housing is made of Acrylonitrile Butadiene Styrene (ABS).
Color	Gray
Weight	107g
Standards and certificates	CE
Warranty	2 years