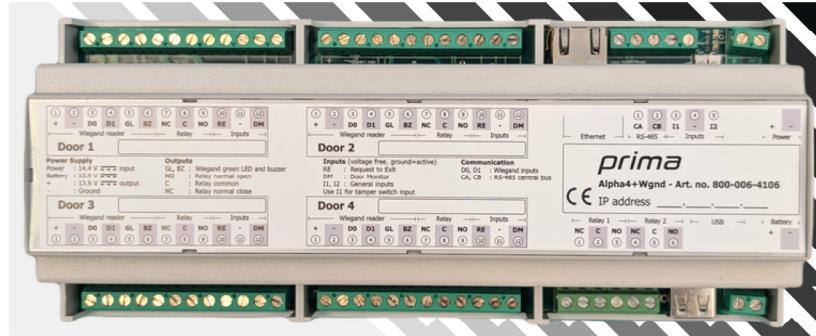# PRIMA 4 DOOR ACCESS CONTROLLER
CUT SHEET

prima

The Alpha central consists of a two or four door central with optional PoE, USB host, two extra inputs and two extra relay outputs.

Technical data	
Supply voltage without back-up battery	14.4 VDC +/- 10%
Supply voltage with back-up battery	Between 13.9 VDC and 14.6 VDC 150mA at 14.4 VDC
Consumption without external loads	(2W)
Maximal consumption	60 W
Battery backup	12 VDC, 2.3 Ah
Real time clock backup capacitor	Minimum 72h
Operating temperature	−20 °C to 85 °C, If used with battery backup, please check battery limitations.
Hardware	536MHz CPU with 256MB RAM25, 6 MB Flash
Software data	
Pre-installed with	NovaSimpli
Compatible with	All Nova Softwares
Software	Linux, XML, SQL
Users	Up to 100.000
Events log	Up to 1.000.000
Ports	
Communication	1 x RJ45 10/100 MB Ethernet port 1 x RS485 central communications port**
Readers	2 or 4 Wiegand or RS485 ports* supports up to 4 or 8 readers using MODBUS protocol
Outputs	2 or 4 x lock outputs each as relay and transistor MOSFET output
Inputs	2 or 4 x requests to exit 2 or 4 x door monitors 2 x auxiliary input
Port specification	
Maximal output for each reader port	700mA at 13.9VDC
Maximal lock output	Relay: max. 30VDC, 2A Transistor MOSFET: 13.9 VDC at max. 700mA
Maximal overall power consumption, readers, transistor outputs	4A at 13.9 VDC (55.6W) on external power unit
Inputs	Voltage free, Galvanic isolation is provided on all input channels with opto-couplers
Tamper switch	Use auxiliary input

cable
*For maximal reading distance please check a table in the installation diagram. Use AWG 23 (0.6 mm) CAT6 cable or use AWG 24 (0.5 mm) CAT5

** Connect maximal 3 centrals on one RS-485 line

Contact us for Details

PJL & Associates
626.488.2478
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Housing	
Size housing	W: 91mm × L: 213mm × H: 62mm
Size system	W: 112mm × L: 287mm × H: 361mm
Sutable for Din-rail	Yes (product is 12 DIN)
Central housing	Self-extinguishing blend PC ABS
System housing	Acrylonitrile Butadiene Styrene (ABS)
Color	Grey
Weight	330 g

Add-on for Alpha 2+ and 4+

Ports	
Communication	1 x USB host port
Outputs	2 x auxiliary output relays
Alarm output	Use auxiliary output
Port specification	
Auxiliary output relays	Max. 30VDC, 2A

Add-on for Alpha 2+ PoE and 4+ PoE

Technical data	
PoE+	Powers up to 25 W, according to standard for PoE+ IEEE 802.3at.
Ports	
Communication	1 x USB host port
Outputs	2 x auxiliary output relays
Alarm output	Use auxiliary output
Port Specification	
Maximal overall power consumption; all readers and all transistor outputs	1.8A at 13.9 VDC (25W) on PoE+

For more information, Contact your sales rep.

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