Datasheet
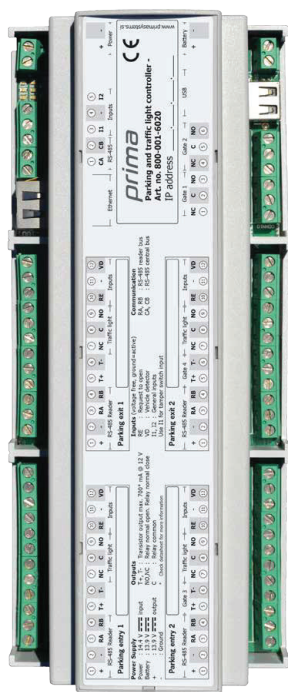
Alpha Parking and Traffic Light Controller
Central with possibility to control up to 4 traffic lights / 4 gates

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
Central's consumption without external loads	150mA at 14.4 VDC (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 RAM, 256 MB Flash
Software data	
Pre-installed with	NovaSimpli
Compatible with	All types of Nova Software
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* 1 x USB host port
Readers	4 x RS485 ports* supports up to 4 readers using MODBUS protocol
Outputs	4 x traffic light relay output 2 x barrier relay output 2 x barrier transistor MOSFET output
Inputs	4 x requests to open 4 x vehicle detector 2 x auxiliary input
Specifications ports	
Maximal output for each reader port	700mA at 13.9VDC
Maximal traffic light output	Relay: max. 30VDC, 2A
Maximal barrier output	Relay: max. 30VDC, 2A Transistor MOSFET: 13.9 VDC at max. 700mA
Maximal overall power consumption; all readers and all transistor outputs	4A at 13.9 VDC (55.6W) on external power cpu
Inputs	Voltage free, Galvanic isolation is provided on all input channels with opto-couplers
Tamper switch	Use auxiliary input

* distance up to 1000m.
Use AWG 23 (0.6 mm) CAT6 cable
or use AWG 24 (0.5 mm) CAT5 cable

Housing	
Size housing	W: 91mm × L: 213mm × H: 62mm
Size system	W: 112mm × L: 287mm × H: 361mm
Suitable for DIN-rail	Yes (product is 12 DIN)
Central housing	Self-extinguishing blend PC ABS
System housing	Acrylonitrile Butadiene Styrene (ABS)
Colour	Grey
Weight	230 g