

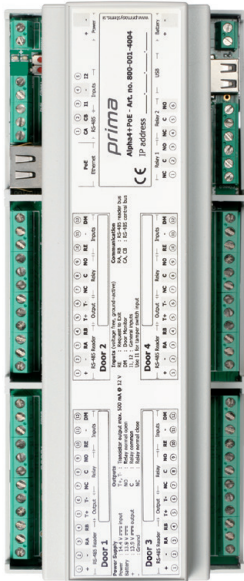
Datasheet

Web-based central for 2 or 4 door access control, parking or elevator management. Optionally with PoE power supply, USB port or extra outputs

DAT8000-EN
Alpha central
800-001-xxxx



Alpha2+



Alpha4+

Hardware data for all Alpha centrals	
Operating Current (without external loads)	150mA at 14.4 VDC (2W)
Maximal consumption	60 W
Battery backup (optional)	12 VDC, typically 2.3 Ah *
Real time clock backup capacitor	Minimum 72h
Hardware	Cortex A5 @ 536MHz, 256MB RAM, 256 MB Flash
Standards and certifications	CE, EN 60839-11-1 (security Grade 4)
Ports	
Communication	RJ45 10/100 MB Ethernet port RS485 central communications port **
Readers	2 or 4 RS485 ports with MODBUS protocol, encrypted, typically 200m distance *
Outputs	Relay and transistor MOSFET output for doors, relay outputs for auxiliary outputs
Inputs	Voltage free, galvanic isolation with opto-couplers
Maximal output for each reader port	700mA at 13.9VDC
Maximal lock consumption	Relay: max. 30VDC, 2A Transistor MOSFET: 13.9 VDC at max. 700mA
Full load max. overall power consumption	4A at 13.9 VDC (55.6W) on external power unit
Tamper switch	Use auxiliary input
Alpha central housing	
Alpha central - 12 modules housing	W: 91mm × L: 213mm × H: 62mm
Suitable for DIN rail	Yes, 12M Alpha central + Powerbox - 14.4 HDR 60-15
Central housing	Self-extinguishing blend PC ABS
System housing	Acrylonitrile Butadiene Styrene (ABS)
Colour	Grey
Dimensions	W: 91mm × L: 213mm × H: 62mm
Weight	330g
Software	
Pre-installed with	NovaSimpli or NovaSimpli 350
Users	Up to 100.000
Events log	NovaSimpli or NovaSimpli 350
Users	Up to 1.000.000
Software add-ons	Software modules for reservations, visitor management, fire & intrusion alarm, wireless online, checkpoint & guard tour, card design, presence, visualisation, remote door opening, digital signage,...
Customization & Integration	Optional, Python scripting, KNX, MQTT, webhooks, MS Active Directory, XML API, other by request

* Check INS1600-EN for details

** Not recommended for new installations



Powerbox - 14.4 HDR 60-15



Powerbox - POE S - 60W

Power supply data	
Powerbox - 14.4 HDR 60-15 (800-001-0000)	Input voltage: 100-240 V AC, 50-60 Hz Output voltage & current: 14.4 V DC, 4.1 A, 60W *** Dimensions: DIN rail 3M, 52.5 x 90 x 58.4mm
Powerbox - POE S-60W (800-001-0030)	POE splitter, IEEE802.3AF/AT/BT compliant, 10/100/1000Mbps auto adaptive, accepts max 60W POE input and 13.8V 4.3A output ***** Dimensions: 83 x 80 x 28mm

	Maximum readers*	Door outputs	Auxiliary relay outputs	Door inputs (DM & RE)	Auxiliary inputs	Type-A USB port	Power supply
Alpha2	4	2	-	2	2	-	Powerbox - 14.4 HDR 60-15
Alpha4	8	4	-	4	2	-	Powerbox - 14.4 HDR 60-15
Alpha2+	4	2	2	2	2	1	Powerbox - 14.4 HDR 60-15
Alpha4+	8	4	2	4	2	1	Powerbox - 14.4 HDR 60-15
Alpha2 POE S-60W	4	2	-	2	2	-	Powerbox - POE S-60W
Alpha4 POE S-60W	8	4	2	4	2	-	Powerbox - POE S-60W
Alpha2+ POE S-60W	4	2	-	2	2	1	Powerbox - POE S-60W
Alpha4+ POE S-60W	8	4	2	4	2	1	Powerbox - POE S-60W

Alpha Elevator****	
Destination inputs	10 voltage free inputs
Destination outputs	10 outputs (6 Relay and 4 Transistor MOSFET outputs)
Reader ports	Up to 8 readers
Additional destination extension	Additional Alpha Elevator or GPIO module
Alpha Parking*****	
Maximum number of gates	Up to 4 outputs (2 Relay and 2 Transistor MOSFET outputs)
Maximum number of traffic lights	Up to 4 Relay outputs
Maximum number of vehicle detectors	Up to 4 voltage free inputs
Reader ports	Up to 8 readers
Traffic situation scenarios	7 predefined scenarios
Advanced software modules included	Presence module with traffic light control support, counting of vehicles, occupancy status, advanced anti-passback and area grouping with additional limitations per group

* Check INS1600-EN for details

** Not recommended for new installations

*** Check DAT8011-EN for details

**** Check DAT8012-EN for details

***** Check INS1622-EN for details

***** Check INS1626-EN for details