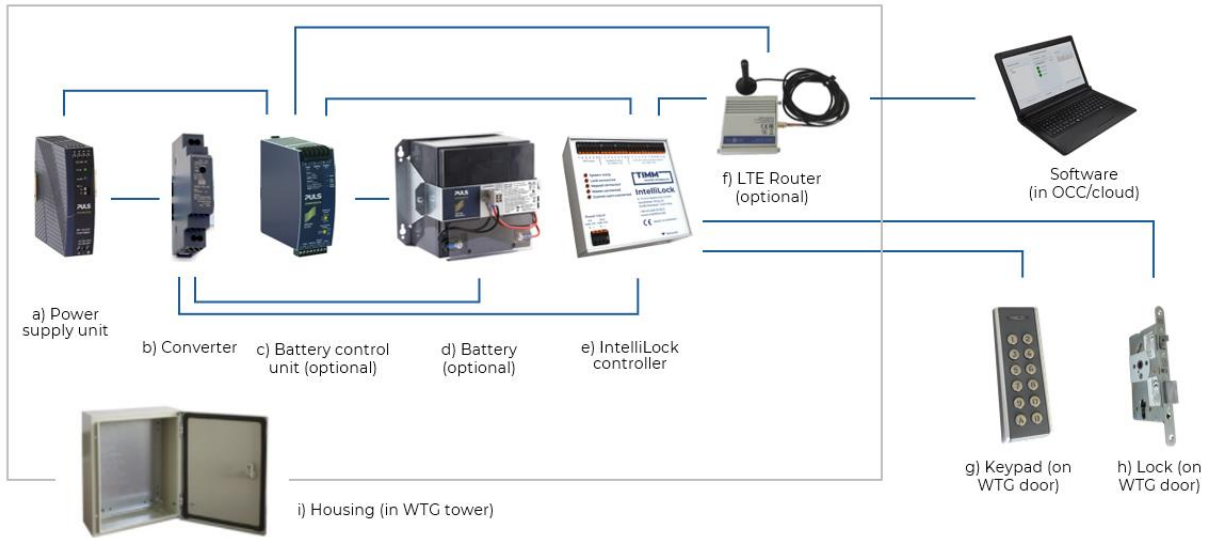


1. System overview



2. System requirements

Power supply	1x 230V AC
Data connection	1x Ethernet (RJ45) or via mobile router
Bandwidth	Min. 1 Mbit/sec
Communication	Encrypted connection (VPN)
Required disk space	20 MB (only for on premise version)
Hosting	Win 10 Server for on premise hosting Internet browser if using IntelliCloud

3. Component details

a) Power supply unit

Manufacturer	Puls GmbH
Type	PIC 120.241C / D
Temperature range	-10 to +70 °C
Humidity level	5% to 95%
Power input	230 V AC
Output	24 V DC
Dimensions (W x H x D)	39 mm x 124 mm x 124 mm
Weight	0.35 kg
Mounting	DIN rail

b) Converter

Manufacturer	MEAN WELL Enterprises Co., Ltd.
Type	DDR-15-5
Temperature range	-40 to +85 °C
Humidity	5% to 95%
Power input	24 V DC
Output	5 V DC at 0...3 A, Rated Power 15 W
Dimensions (W x H x D)	18 mm x 90 mm x 55 mm
Weight	0.08 kg
Mounting	DIN rail

c) Battery control unit

Manufacturer	Puls GmbH
Type	UB10.241
Temperature range	-25 to + 70 °C
Power input	24 V DC, 10 A
Dimensions (W x H x D)	49 mm x 124 mm x 117 mm
Weight	0.55 kg
Mounting	DIN rail

d) Battery

	UPS large	UPS small
Manufacturer	Puls GmbH	Puls GmbH
Type	UZX 12.261	UBC10.241
Temperature range	-10 to + 50 °C (charging) / -15 to +60 °C (discharging)	0 bis 40 °C (in operation)
Power input	Via battery control unit	Via battery control unit
Runtime	Ca. 48 h	Ca. 12 h
Dimensions (W x H x D)	214 mm x 179 mm x 158 mm	123 mm x 124 mm x 119 mm
Weight	9.92 kg	2.85 kg
Mounting	Mounting plate	DIN rail

e) Controller

Manufacturer	H. Timm Elektrik GmbH
Type	IntelliLock
Temperature range	-20 to +50 °C
Power input	5 V and 24 V DC via converter / power supply unit
Dimensions (W x H x D)	105 mm x 100 mm x 36 mm
Weight	0.36 kg
Mounting	DIN rail

f) LTE router

Manufacturer	Teltonika
Type	TRB140
Temperature range	-40 to +75 °C
Power input	9-30 V DC
Dimensions (W x H x D)	74.5 mm x 25 mm x 64.4 mm
Weight	134 g
Mounting	DIN rail
Mobile connection	2G, 3G, 4G

g) Keypad

Manufacturer	XPR Group
Type	INOX-C
Temperature range	-25° to +70° C
IP Code	IP 65, resin-potted, vandal-proof
Power input	9-12V DC via cable connection to control unit
Connection	Cable connection to control unit
Cable length	10 m
Dimensions (W x H x D)	25 mm x 150 mm x 50 mm
Weight	0.52 kg
Mounting	With screws at WTG door (outside)

h) Lock

Manufacturer	Assa Abloy Sicherheitstechnik GmbH
Type	709X / 729X / EL 580 (depending on door type)
Temperature range	-20 to +60 °C
Power input	12-24V DC via cable connection to control unit
Connection	Cable connection to control unit
Cable length	6 m / 10 m
Alternatives	Single or multi-point locks
Panic function	Yes
Dimensions	Face plate width: 20 / 24 / 28 mm Face plate height: 225 / 235 / 300 mm Backset: several alternatives 30 to 100 mm Distance: 72 / 92 mm (PZ), 74 / 94 mm (RZ), 105 mm (EL 580) Handle follower: 8 mm x 8 mm / 9 mm x 9 mm
Mounting	With screws at WTG door (inside)

i) Housing

	Housing small	Housing large
Application	IntelliLock systems without UPS	IntelliLock systems with UPS
Ventilation	None	Passive via natural convection
Dimensions (W x H x D)	300 mm x 400 mm x 210 mm	500 mm x 400 mm x 210 mm
Mounting	Magnets (steel tower), magnets or existing mounting plates (concrete tower)	
Cable glands	For network, power supply, lock, and keypad cables	