



System

Web browser	IE, Firefox, Chrome, Safari
Sites/connections	10,000+ connecting to cloud
Doors	10,000+ with 2 door controllers
Users	100,000+ per controller
Alarm notification	On screen, (SMS & email TBC)
Time zones	512 per site
Holidays	16 per site
Access levels	1000 per site
Activity reports	Weekly, monthly, daily - TBC
LED indications	Power, unlock, modem OK and diagnostics



Electrical

Supply	12V/24V 2A AC/DC
Power consumption	2A max @ 12V, 500mA typ @ 12V
PSU	12V DC 2A with charger
Battery backup	12V 7AH (not included)



Communication

Communication options	Half duplex RS485
	Up to 50 doors per master controller



Hardware

Dimensions (W x H x D)	9 1/8" x 2 5/8" x 3 1/8" (236mm x 320mm x 80mm)	
Readers/Keypads	All Paxton clock and data and various Wiegand formats available	
Cable	Belden 9540 10 core (10m maximum)	

Input/Output	100 yds	2 conductor - Alpha 1172C (22AWG) or equivalent
Reader/Keypad	82 feet	8 core, shielded - Belden 9538, Alpha 1298C (22AWG) or equivalent
Reader/Keypad	328 feet	8 core, shielded - Belden 9540/Belden 5306FE (18AWG) or equivalent

Door contact	Normally closed
Monitoring (sabotage)	Normally closed
PSU (fail, on battery)	Normally closed
Tamper (cabinet)	Normally closed
4 spare inputs (customer definable)	Configurable normally open, closed, or analogue (supervised inputs)
2 x lock relays	24V DC 4A max
2 x spare outputs (customer definable)	12V 0.5A max



Environment

operating temperature	32°F - 120°F (0°C - 55°C)
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Paxton BLU Expansion controller, in enclosure	838-520-US
Paxton BLU Expansion controller, PCB only	838-621-US