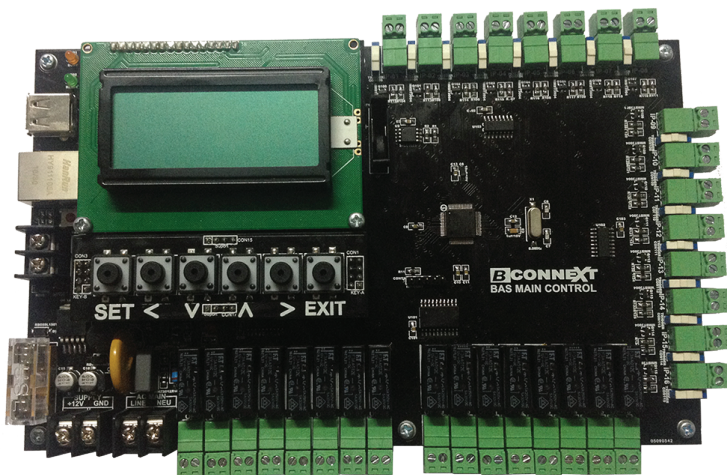


# ClusterConnex DataCollector & Management

ClusterConnex is a primary device that acts as a Main Controller for BAS.



ClusterConnex™ is a primary device that acts as a Main Controller of BAS by read the data in the various subsystems of the system and send them to the Data Server to store as Data Base and to be called to read the data from Server or Local Monitoring. It can support monitoring functions of BAS effectively.

ClusterConnex™ supports connection of BAS Module and Energy Meter from various manufacturers. It has been connected by Modbus Protocol. It can communicate flexibility by use RS485, Ethernet, Wireless 433MHz and WiFi, etc. which is suitable for each Building. All devices are developed under the B-Connex Brand. Moreover ClusterConnex supports the Data Logger for data buffer in case of internet network breakdown. Users can make sure that the data is still being collected properly at all times.

## ■ FEATURE HIGHLIGHT

- Support MODBUS RTU and TCP Protocol.
- There are a variety of communications such as RS485, Ethernet, WiFi and Wireless 433MHz.
- Data Buffer and Standalone System function in case of Internet Network Breakdown, Computer Fail.
- Support for data logger when connect to AirConnex, TactConnex or MODBUS RTU.
- Power supply and RTC Backup Battery.
- ClusterConnex SDK Provide or MODBUS TCP for set parameter and get alarm event.

## ■ SYSTEM INTERFACE

- AirConnex
- TactConnex
- AlarmConnex
- EnergyConnex
- Power Meter
- Monitoring Software and Server by SolarConnex Explorer Lite or SDK.
- Datalogger with USB and SD Card (Support FAT32 and CSV file)

# ClusterConnex

ClusterConnex is a primary device that acts as a Main Controller for BAS

## SPECIFICATION DATA

ClusterConnex	ClusterConnex	ClusterConnex Pro
<b>COMMUNICATION</b>		
Protocol	MODBUS RTU	
	MODBUS TCP	
Solar Inverters (Compatible)		
AirConnex		
TactConnex	RS485 (default) / LAN / WiFi2.4GHz / Wireless433MHz	
ClusterConnex Explorer		
B-Connex Wireless Converter Module		
Energy Meter (Compatible)	RS485 (default)	
AlarmConnex	-	RS485 / LAN (SpeedConnex)
<b>FEATURES</b>		
Alarm Status	AirConnex / TactConnex / Input & Output Status)	
Input Contact	16 Channel of Max. 120mA./24VDC	
Output Relay	16 Channel of 250VAC/5A. Relay Contact	
Access and Configuration	ClusterConnex Explorer & LCD 16x4 with Button	
Data Logger (support FAT32 EXCEL File)	-	USB 2.0 Type A
	-	SD Card
AC Voltage Monitoring	Support (for Voltage Blackdrop Alarm)	
<b>POWER SUPPLY</b>		
Supply Voltage	88 - 264 VAC / 47-63 Hz (12VDC External Support)	
Safety Standard	UL60950-1, TUV EN60950-1 Approved	
Protection	Over Load : Constant current limiting, recovers automatically	
	Over Voltage : Shut down o/p voltage, re-power on to recover	
Backup	Battery 12V / 7Ah (option)	
<b>AMBIENT CONDITIONS</b>		
Operating Temperature	-25 to 85 °C	
Relative Humidity	0 to 99 %	
Anti - Corrosion (option)	Rain, Hailstone, Snow	
Temperature Resistance (Box)	-40 to 120 °C	
Max. Mounting Altitude	2000m	
<b>MECHANICAL DATA</b>		
Ingress Protection Ratings	IP66	
Chemical Resistance	Prevent 10% of Acid, Alkali, Gasoline and Heavy oil	
UV Resistance	UV Resistance for outdoor installation	
Poison-Free material	Exclusive of Silicon and Halogen	
Mounting	Rack / Wall Mounting	
Dimension (H x W x D) (option Cabin or Box)	400 mm x300 mm x 170 mm	