

## **SPECIFICATIONS**

	Sensor input ports	5 ports (analog, digital, pulse sensors). Specifically: analog: 10bit digital: UART, I2C pulse counters 3.3V, 9V excitation
	Actuator ports	4 ports Latching solenoid valves (9VDC) 1 or 2-coil latching relays Direct digital outputs (9/12 VDC) with seconds resolution
Control application (Android OS)	Logging/Reporting interval	5 min to 12 h
elays, etc.)	Data storage	8 MB (1-year+ records depending on configuration)
abling almost real-time data monitoring	Memory type	On-board, non-volatile flash, full data retention with loss of power
automations using advanced, user-defined rules	Timekeeping	Synchronize automatically with SynField server
'	Battery	4000mAH 3.7V Lithium Polymer battery
1	Battery charging	Solar energy harvesting or external charger
kinds of installations rry	Solar Panel	Monolithic photovoltaic ETFE panel, 1.5W, 127 x 77mm
")	Internal sensors	MCP9700AT temperature sensor (accuracy: -2C to +4C)
bile devices	Cellular specifications	Quad-Band GSM/GPRS cellular module, NB-IoT compatible
	Bluetooth Interface	Bluetooth Version 2.1
	Internet downloads	SSL/TLS encrypted
	Enclosure	Weather-, impact-, and UV-resistant polymer
	Enclosure rating	IP56, NEMA 4
	Enclosure size	10 cm × 15 cm × 7.0 cm
	Enclosure access	Hinged door with latches and eyelets for lock or zip tie
	Operating environment	-40 to +60 °C (0%-100% relative humidity)

## FEATURES

~	Ultra-rugged and durable construction
~	Configurable via Bluetooth with the SynField Control application (Android OS)
~	Five sensor ports (analog, pulse, I2C, SDI-12)
~	Four actuator ports (electrovalves, latching relays, etc.)
~	Integrated with SynField Cloud application, enabling almost real-time data more
~	Almost real-time control of valves, relays and automations using advanced, us
~	Integrated quad-band cellular module, NB-IoT compatible
~	Simplified setup process
~	Firmware update using the control application
~	Built-in solar panel or external charger for all kinds of installations
~	Rechargeable high capacity (4000mAh) battery
~	On board non-volatile memory (8 Mbyte)

- Optimized user interface for desktop and mobile of the second second
- SD/lightning protection

