MicroSpider 2
Industrial

Specification Sheet

General

Dimensions	(Width) 156mm x (Height) 60mm x (Depth) 87mm
Weight	500g
IP Rating	IP20
Material	ABS
Mounting	DIN Rail
Temperature Range	Standard: (-5 to +50) °C Optional: (-20 to +60) °C
Warranty	12 months manufacturers warranty

Power

Power Supply	12V DC min 1A
Charger	Integrated battery charger regulator charges an external 12V SLA battery from an external 12V solar panel or a 16 - 30V DC 2A power source
Battery (optional)	Internal, user replaceable 9V battery LiFePO$_4$

Logger

Memory	Non-volatile FLASH
Capacity	400,000 records
Report Format	CSV File
Reporting Protocols	HTTP/HTTPS POST FTP Email DNP3
Time	On-board RTC Automatic NTP Sync

Outputs

Total Outputs	3
Output Type	1 x Switched power for sensor power / control 1 x Open collector for accessory control 1 x Low power sensor supply (3.3V or 5V)

Alarms

Total Alarms	16
Alert mechanism	SMS Email DNP3 Exception Reports
Trigger	User definable input and trigger point Time schedule
SMS / Email Alert	1 per alarm
Phone Numbers	3 per alarm
Email Addresses	3 per alarm
Super Alarm	Combination/condition alarms

Inputs

Standard Inputs	4 x Analogue 4 x Digital 4 x System Inputs
Optional Inputs	Up to 20 SDI-12 and Modbus
Virtual Inputs	2 x Calculaton/logic based inputs

Analogue Inputs

Resolution	12 bits
Calibration	2 point, 1 point or manual
Units of Measurement	User Definable
Sampling Period	User Definable
Sensor Type	Calibrated 4 - 20 mA, common ground 0 - 2.4V, common ground 0 - 5V, common ground 0 - 10V, common ground

Digital Inputs

Standard Inputs	0-12V Voltage free switch contact
Input Type	Switch Event (rainfall) Counter Meter Quadrature

System Inputs

Input Type	System temperature Battery voltage External power voltage LAN power voltage

Counter / Event Inputs

Minimum Pulse Width	5 ms
Maximum frequency	100 Hz
Range	0 - 999,999

Communication

Ethernet	10/100 base-T with LANlink Cable
Communications	4G LTE Cat-M1 Satellite LAN (using LANLink cable) Wifi (using HLink cable)
Antenna	Standard - internal antenna Optional - external antenna

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