

Product Data Sheet

General Description

- Ready to run device for data collection on industrial environment.
- This platform is able to cover all actual needs in terms of sensor integration at fab level.
- Architecture philosophy allow to follow the future needs without drastically impact on the installed devices.
- Friendly using and easy to configure, it is the ideal solution for on-field application.
- Due to the inner solidity, is the perfect server-type device able to grant continuously running.
- Full type coverage for different kind of input, e.g. complete integration within
- Analog, Digital and Digital communication** based sensors.



Application

- Industrial environment
- Data collection
- SEMI application oriented
- Sensor integration
- Process control

Technical details

CPU

Linux Embedded System	<ul style="list-style-type: none"> ◆ High software capability ◆ High stability ◆ 	Solid base for no-stop running
Embedded CPU	<ul style="list-style-type: none"> ◆ Fanless system ◆ low power consumption ◆ 	Reliability
RTC	<ul style="list-style-type: none"> ◆ Real-Time Clock 	With battery back-up
Ethernet Connectivity	<ul style="list-style-type: none"> ◆ Fast and secure connection ◆ ModBus on TCP/IP 	Multi protocol capability (Customer needs depending)
Computation capability	<ul style="list-style-type: none"> ◆ On board processor can perform data computation 	Data pre-treatment

Power & Dimension

Power	<ul style="list-style-type: none"> ◆ 5Vdc2A max ◆ 110Vac 60Hz ◆ 220Vac 50Hz 	Version depending
Dimension	<ul style="list-style-type: none"> ◆ L – W – H ◆ 160 – 235 – 110 	mm

Analog Input

Range	<ul style="list-style-type: none"> ◆ +/- 0-2 Vdc ◆ +/- 0-10 Vdc ◆ 0-20 mAdc ◆ 4-20 mAdc 	Direct connection on header available
Resolution	<ul style="list-style-type: none"> ◆ 12 bit ◆ Integral Non Linearity +/- 1LSB 	
Input Impedance	<ul style="list-style-type: none"> ◆ >3M Ohm* ◆ 100 Ohm ** 	*Voltage measuring ** Current measuring
Galvanic Insulation	◆ 1KV (40Vac rms continuos)	For each channel
Input protection	<ul style="list-style-type: none"> ◆ UP 40 Vdc* ◆ UP to 300 Vdc** 	*Current/mV measuring ** Voltage measuring
	◆	
	◆	
	◆	
	◆	

Digital Input

Range	<ul style="list-style-type: none"> ◆ 0-20 Vdc ◆ 4,5Vdc Treshold 	Direct connection on header available
Input Impedance	◆ >3M Ohm	Voltage measuring
Galvanic Insulation	◆ 1KV (40Vac rms continuos)	For each channel
Input protection	◆ UP to 300 Vdc	

Connectivity & Software

Configuration Software (GUI)	◆ Available on web server	No software installation required on client side
Data presentation for installation diagnostic	◆ Available on web server	No software installation required on client side
Data share server embedded	◆ Multi protocol availability for data collection	e.g. ModBus On TCP/IP
1 x Ethernet 1 x Wi-Fi*	◆ 10/100 Mb/s ◆ 54 Mb/s	Encryption support
2 x USB 1.1	◆ USB Standard	Device Upgrade Device Configuration File exchange usage
2 x COM Port	◆ RS 232/485 (software selectable) ◆ Asynchronous type ◆ Up to 38400 bps ◆ 1KV Galvanic Insulation is available (40Vac rms continuos)	For digital sensor connection. Many protocol are actually available.

