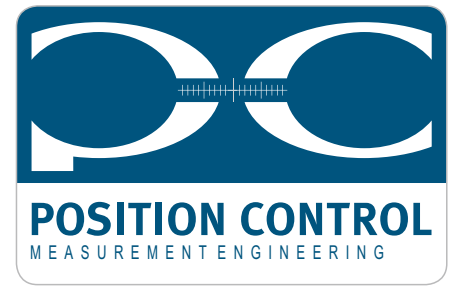


# Technical Datasheet



## IDS 16-8 Data System

### Robust Din-rail Fanless Embedded System

The IDS 16 Systems has been designed "in house" by Position-Control and is the result of over 15 years experience using different dataloggers in geotechnical and industriell field.

IDS 16 System is a versatile, cost effective and dual core powered datalogger supporting hydrostatic and all major geotechnical sensors.

IDS 16 Systems has a web server on board, 4 local analog 24 bit channels, expandable to 80 channels through PC ADC4 Prints. RS 485 input ports. It can be managed by Bios.

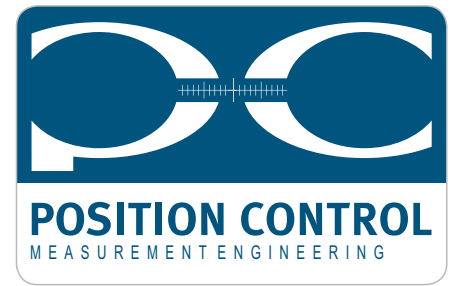
Destination	Features
<ul style="list-style-type: none"><li>Hydrostatic Meas.-Systems</li><li>Maschine surveillance</li><li>Structural monitoring</li><li>Mining exploration</li><li>Deep excavation</li><li>Landslide safety implementation</li><li>Tunnel Systems</li><li>Geotechnical investigation</li></ul>	<ul style="list-style-type: none"><li>No software required</li><li>2x LAN Ethernet, 2x USB and 2x RS232,2x RS 485 Comm ports</li><li>High performances (resolution, accuracy, environment -20°C +80°C)</li><li>4GB RAM internal memory</li><li>Stand alone or part of network</li><li>POCO ADC built-in interface</li><li>Modbus ASCII digital sensors support</li><li>Compatible with all major geotechnical sensors</li></ul>



Meet the essential requirements of the EMC Directive 2004/108/EC

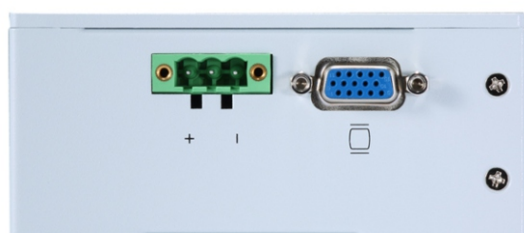
Poco IDS 16 Data Systems

# Technical Datasheet



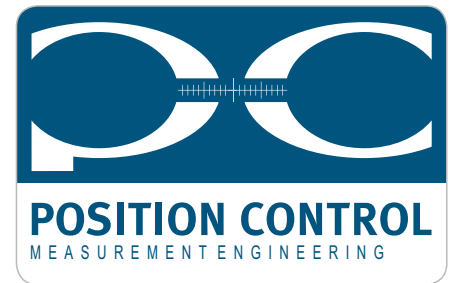
## IDS 16-8 Series

SOFTWARE & CONNECTIONS	Web server on board (Linux platform). Live update (firmware and web pages). FTP +SMS client to send Alarms MAIL to sent Alarms to unlimited users SMS to sent to unlimited telephone numbers
DATAMANAGEMENT	Data download (readings, logs) in .csv file (compatible with Microsoft Excel) Virtual channel management Languages: German and English
PHYSICAL CHARACTERISTICS	
Dimensions (L x W x H)	48 x 110 x 155 mm (1.88" x 4.33" x 6.10") mm
Weight	1000 grams
Material	Metall
Wiring	Removable connector, D-Sub



Poco IDS 16 Data Systems

# Technical Datasheet



## IDS 16-8 Series

Chipset: SoC Integrated, 1.46GHz

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System Memory: 1 x SO-DIMM DDR3L-1066 up to 4 GB

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Com: 4 x RS-232/422/485

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USB: 2 x USB 2.0

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Ethernet: 2 x isolated 10/100/1000Mbps  
Digital I/O: 1 x DI/DO (8 bit programmable, DB9 female connector)  
Display: 1 x VGA

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### Wireless

1 x full-size PCI Express Mini Card  
1 x SIM socket  
2 x Antenna  
1 x optional HSDPA Modem

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### Storage

1 x CompactFlash™ (or mSATA)  
1 x SATA SSD (or HDD)

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Others: RTC Battery function

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Power Supply: 12-24V DC-In, DC Version: OVP, Reverse protection

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Watchdog Timer: 255 levels, 1~255 sec

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Construction: Extruded aluminum and heavy-duty steel, Ip40

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Operating Temperature: -20°C ~ +70°C (-28°F ~ +158°F)

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Relative Humidity: 5% ~ 95%

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Vibration: 2g@5~500Hz, amplitude 0.35 mm (operation/ storage/ transport)

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Certifications CE, FCC

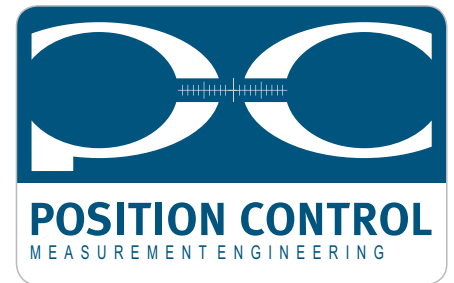
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Mounting: DIN rail, Wall Mounting, ABS Case IP 67 (Option)

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Poco IDS 16 Data Systems

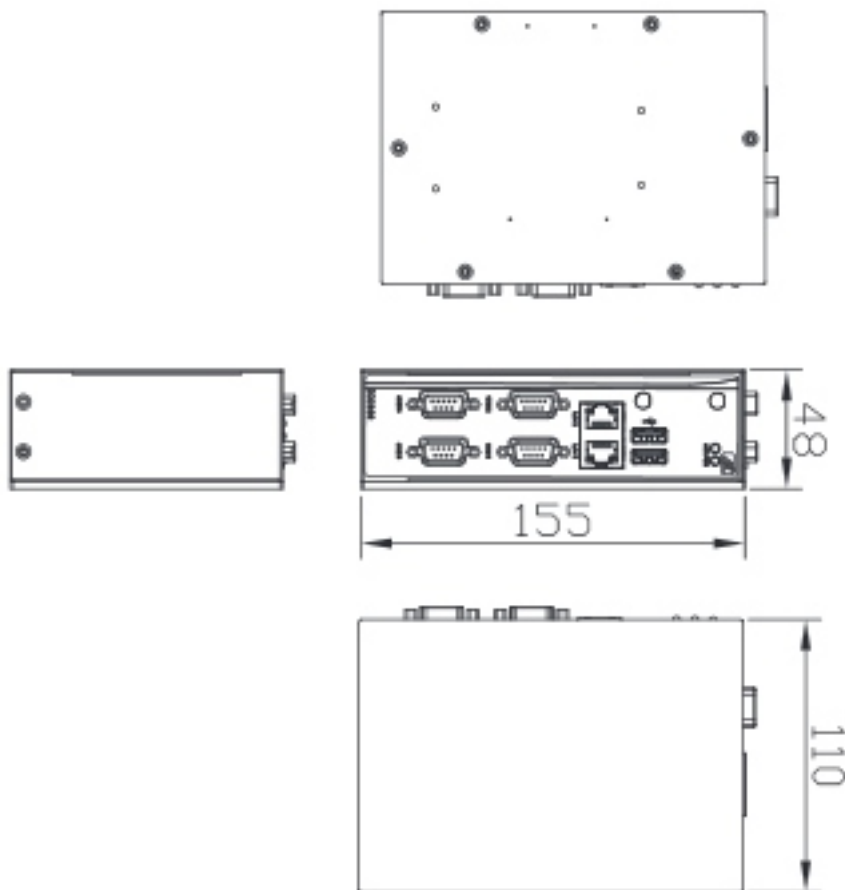
# Technical Datasheet



## IDS 16-8 Series

### Dimensions

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Poco IDS 16 Data Systems