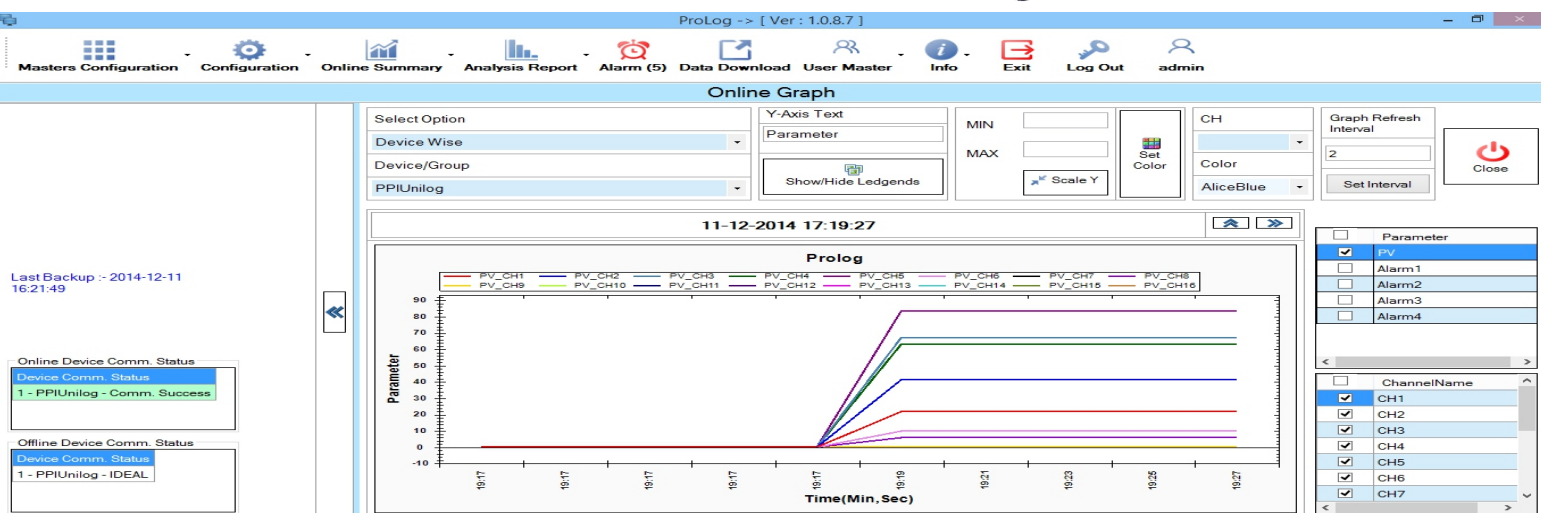
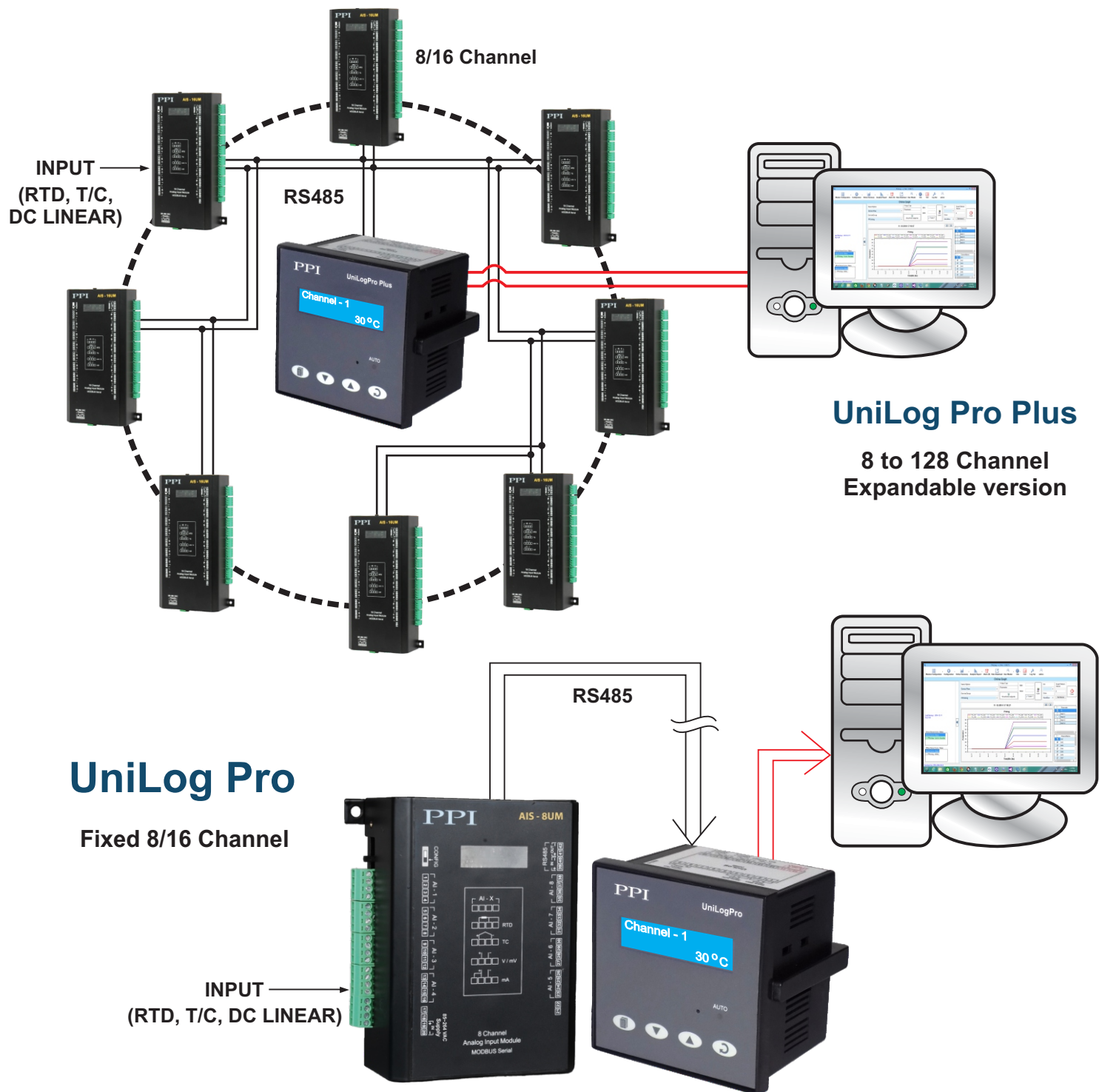




Specifications

Analog Input Module	
Channels	AIS-8U & AIS-8UM : 8 Differential Inputs, AIS-16UM : 16 Differential Inputs
Input Type	Each Channel Independently Programmable - No Jumper Settings Thermocouple : J, K, T, R, S, B, N RTD : Pt100, 3 wire DC Linear : 0-20 mA, 4-20 mA; 0-70 mV; 0-5 V, 0-10 V, 1-5 V
Corrections	In-built Cold-Junction Compensation for Thermocouples In-built Lead Resistance Compensation for RTD (Upto 22 Ohms in each lead)
Accuracy	Thermocouples & RTD Pt100 : $\pm 0.25\%$ of reading $\pm 1^{\circ}\text{C}$ DC Linear Volts / Current : $\pm 0.25\%$ of reading ± 1 LSD
Range	Refer Table-1 for Thermocouples & RTD Pt100 Inputs Adjustable from -19999 to 30000 Counts for DC Linear mA/mV/V
Indication Resolution	Thermocouples & RTD Pt100 : 0.1 / 1 ($^{\circ}\text{C}$ / $^{\circ}\text{F}$) DC Linear Volts / Current : 0.001 / 0.01 / 0.1 / 1 (User Programmable)
Zero Offset	User Adjustable over Full Range
ADC	16 Bit ($\pm 32,768$ Counts), Sigma-Delta ($\Sigma\Delta$)
Sampling Time	500mS Per Channel
Input Resistance	> 8 MOhm
Common Mode Rejection	> 100dB at 50/60 Hz
Signal Conditioning	L-C Analog Filter
Alarms	4 Alarms per Channel with Settable Alarm Type & Hysteresis
Power Supply	AIS-8UM & AIS-16UM : 85~265 VAC, 50/60 Hz, Single Phase AIS-8U : 20~32 VDC (24 VDC Nominal)
Dimensions (mm)	AIS-8U & AIS-8UM : 115 (W) X 131 (L) X 52 (H), AIS-16UM : 115 (W) X 208 (L) X 52 (H)
Mounting	Wall Mounting, DIN-Rail
Connections	Screw Type, Male-Female Detachable
User Interface Module	
Digital Readout	2 Rows of 16 Characters LCD Display with Back-Light LED
Keys	4 Tactile Switches (PAGE, DOWN, UP, ENTER)
RS485 Serial Comm.	MODBUS RTU Protocol
Recording Capacity	2 GB Flash Memory (Approx. 38,56,000 Records)
Recording Mode	Continuous, Batch
Recording Interval	Programmable from 1 Sec to 2 Hr : 30 Min : 00 Sec
Alarm Outputs	1 Common High & 1 Common Low Alarm Relay (2A @ 230VAC)
Power Supply	85~265 VAC, 50/60 Hz, Single Phase
Dimensions (mm)	96 (H) X 96 (W) X 65 (D)
Mounting	Panel, Cutout 92 (H) X 92 (W), mm
Connections	Screw Type

Prolog-PC Software Features

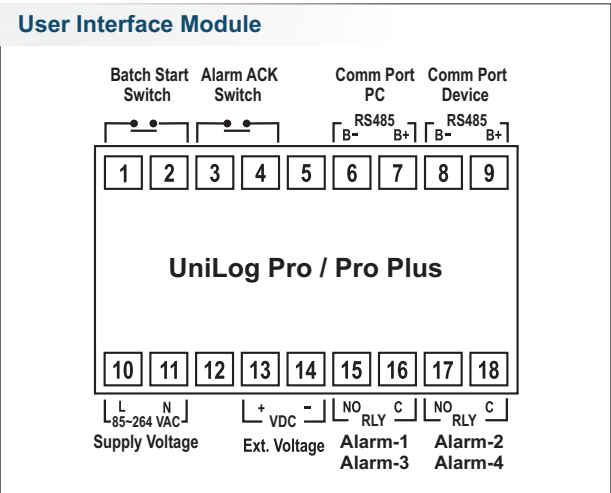
- Supports Multiple Data Logging Units
- Auto startup of Software on PC power up
- Programmable Channel Naming & Grouping
- Online Data Display in Tabular and Graphical Forms with Alarm Indications
- Multi-Level Password Protected Access
- Automatic Periodic Downloading of Off-Line Records from Data Logging Unit
- Manual and Auto backup Facility with Archiving
- Data Log Reports for User Selected Parameters & Channels with Configurable Title, Header & Footer
- Selectable Date-Time Format in Reports
- Data Log Report, Alarm Log Report, History Graph & Audit Trail Report in PDF & EXCEL Formats
- Audit Trail History of Critical Events & User Actions

Minimum PC Configuration Requirements

- Windows vista, Windows 07, 32 bit / 64 bit
- Windows 08, 32 bit / 64 bit
- Pentium Dual Core, Clock Speed 2.8 GHz, 2 GB RAM, 40 GB Hard Disk

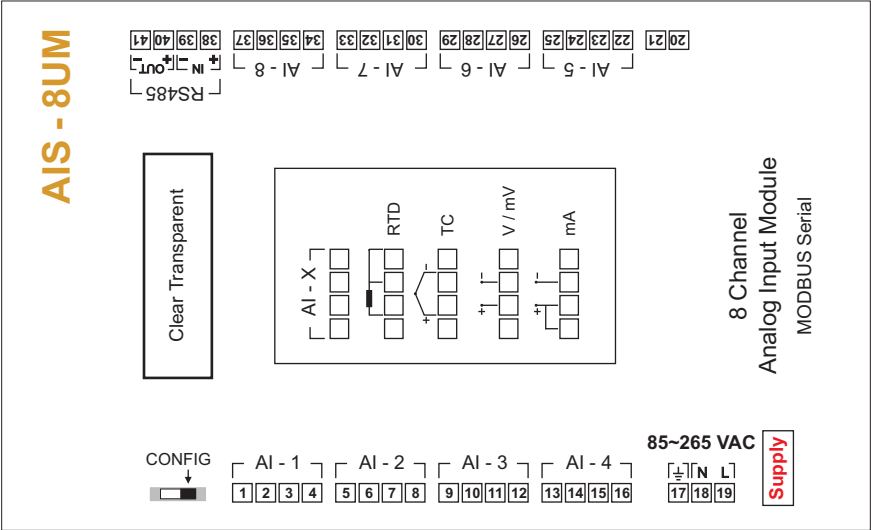
Table 1 : Temperature Ranges for Thermocouples & RTD	
Input Type	Range (Min. to Max.)
Type J Thermocouple (Fe-K)	0 to +960°C / +32 to +1760°F
Type K Thermocouple (Cr-Al)	-200 to +1376°C / -328 to +2508°F
Type T Thermocouple (Cu-Con)	-200 to +385°C / -328 to +725°F
Type R Thermocouple (Pt/Pt-Rh13%)	0 to +1770°C / +32 to +3218°F
Type S Thermocouple (Pt/Pt-Rh10%)	0 to +1765°C / +32 to +3209°F
Type B Thermocouple	0 to +1825°C / +32 to +3092°F
Type N Thermocouple	0 to +1300°C / +32 to +2372°F
3-wire, RTD Pt100	-199 to +600°C / -328 to +1112°F or -199.9 to 600.0°C / -199.9 to 999.9°F

Back Panel Terminations



Process Interface Module

AIS - 8UM



AIS - 16UM

