

REMOTE IOS MODULE (ANALOG/DIGITAL)



WITH DISPLAY



WITHOUT DISPLAY

- ✦ 8 Analog Input Module : **UT-AI8**
- ✦ 12 digital Input Module : **UT-DI12**
- ✦ 12 Digital Output Module : **UT-DO12**
- ✦ 4 UNI. Analog Input Module : **UT-UAI4**
- ✦ 4 Analog Output Module : **UT-AO4**
- ✦ 8 AI x 24 DI x 16 DO (Relay) x 2 AO : **UT-MXIO**

Supported Comport

● RS-485 ● Ethernet TCP-IP ● Wireless RF ● Wi-Fi. ● MEMORY

- Optional Graphical LCD Scrolling type Display.
- Software Utility for Configuration of All Parameter.

FEATURE

- ✦ Dual RS-485 Remote I/O With Built-In Repeater.
- ✦ 16 Bit High Accuracy Analog Input. Up To 60,000 Count.
- ✦ 2 Port MODBUS RTU Multi Drop RS-485 / Ethernet TCP-IP / RF Wireless / Wi-Fi / Bluetooth Comport Available.
- ✦ Supports Of Multi-Drop Communications Parameters With Software Application For User Friendly Configuration.
- ✦ LCD Display For Live PV And High And Low Alarming.
- ✦ Internal Data Memory With Time Stamping With Auto Data Backfilling Facility To Avoiding Data Loss.
- ✦ User Selectable Set Limits For Process Value Violation & Inbuilt Audible Buzzer With Relay Output.
- ✦ Wide Operating Temperature Models Available For -40 To 85°C (-40 To 185°F) Environments.
- ✦ Compact DIN Rail Enclosure.
- ✦ High-Speed & Supports Up To 15 Clients On TCP/IP With Friendly Configuration Via Web Browser.
- ✦ LED For Fault, Communication & Power. (12-24 V DC Power).

APPLICATION

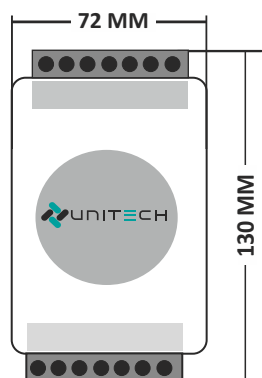
- ✦ Cost Effective Field Interface To PLC/DCS
- ✦ Temperature Data Logging.
- ✦ Remote IOS For Monitoring And Control
- ✦ Environmental Monitoring
- ✦ Data Acquisition, Analysis And Processing SCADA
- ✦ Pipeline Monitoring
- ✦ Solar String Monitoring
- ✦ Infrastructure Monitoring
- ✦ Gas Detection Systems
- ✦ Security Systems
- ✦ Building Automation
- ✦ Reactor Process Data Monitoring.

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TECHNICAL SPECIFICATION

SPECIFICATION	Analog- UT-AI8, UAI4, AO4	Digital- UT-12DI, 12DO, 12DIO
INPUT	16 bit : 4 or 8 Nos. 0 / 4 - 20 mA DC, 0 - 2 / 5 / 10 V DC	DO or Pulse Output DI- On: Short to GND , Off: Open
OUTPUT	4 or 8 Nos. 0 / 4 - 20 mA DC, 0 - 2 / 5 / 10 V DC	DO or Pulse Output DI- On: Short to GND , Off: Open
ACCURACY	0.1 % of FS	NA
RESPONSE TIME	50 m/s Per channel	50 m/s Per channel
ETHERNET COMMUNICATION	Modbus TCP/IP (Modbus / telnet)	
RS485 COMMUNICATION	Modbus-RTU Slave x 2 nos.	
WIRELESS WI-FI COMMUNICATION	Lora 2 KM Range.	
Wireless Wi-Fi Communication	Modbus TCP/IP (Modbus / telnet).	
Power	8 to 35 V AC/ DC	
Isolation	3 Pole 1500 Vrms field to Input and Input to Output and Power	
Programming	IO- link software for Configuration & Diagnostics	
Dimension & Housing	72 (W) x 130 (H) x 30 (D), ABS	
Status Indication	3 mm LED OR 1.3 inch Graphical LCD	
Installation & Wiring	Din rail channel Mounted or wall mounted.	
Memory	1 Lakh Data- Logging Time selectable : 1 to 5000 Seconds from software	
Connector	Screw-fastened Euro block terminal	

PHYSICAL DIMENSION



72(W)x130(H)x30(D)

Din Rail channel & wall Mounted

ORDERING INFORMATION

Model Name	Input & Output interface
UT-AI8	8 x AI (0/4-20 Or 0-10, 5, 1 V DC)
UT-DI12	12 x DI
UT-DO12	12 x DO
UT-UAI4	4 x AI (RTD , TC, MA, V, MV)
UT-AO4	4 x AO (4-20, 0-10 VDC)
UT-MXIO	8 AI x 24 DI x 16 DO x 2 AO