

Technical Specifications

The SMDAS-6RT6A data logger boasts an array of technical features designed to meet the rigorous demands of industrial environments:

1. **Sensor Connectivity:**
 - RTD Sensor: 6 numbers of three-wire RTD sensors
 - Analogue inputs: 6 (0-10V or 4-20mA)
2. **Digital Inputs/Outputs:**
 - 2 digital inputs/outputs
3. **Real-Time Clock (RTC):**
 - Built-in battery backup ensures accurate timekeeping
4. **Communication Interfaces:**
 - **RS485 Interface** - Can work in one of 2 supported modes both based on Modbus RTU.
 1. Modbus Client mode (Master): Device acts as master and can be used to connect extension devices for more data points.
 2. Modbus Server mode (Slave): Device acts as server and serves the DAS parameters from the logger to SCADA or other modbus master.
 - **Ethernet Interface- Support following features:**
 1. DHCP
 2. DNS
 3. NTP
 4. MQTT, Port 1883
 5. HTTP, Port 80 - Serves webserver
 6. Modbus TCP, Port 502
 7. SMTP (email notifications) – Not implemented
 - **MQTT Protocol:** Facilitates internet-based monitoring applications
5. **Data Storage:**
 - 1 Gigabit onboard storage capacity, capable of storing data points for up to 6* months
6. **User Interface:**
 - 0.96 inch OLED display and 3 switches for setting and selecting device parameters (Human-Machine Interface, HMI)
7. **USB Interface:**
 - Allows connection of external USB flash drive for data download, with date range selection via the HMI
8. **Local Webserver:**
 - Enables monitoring and configuration over Ethernet

