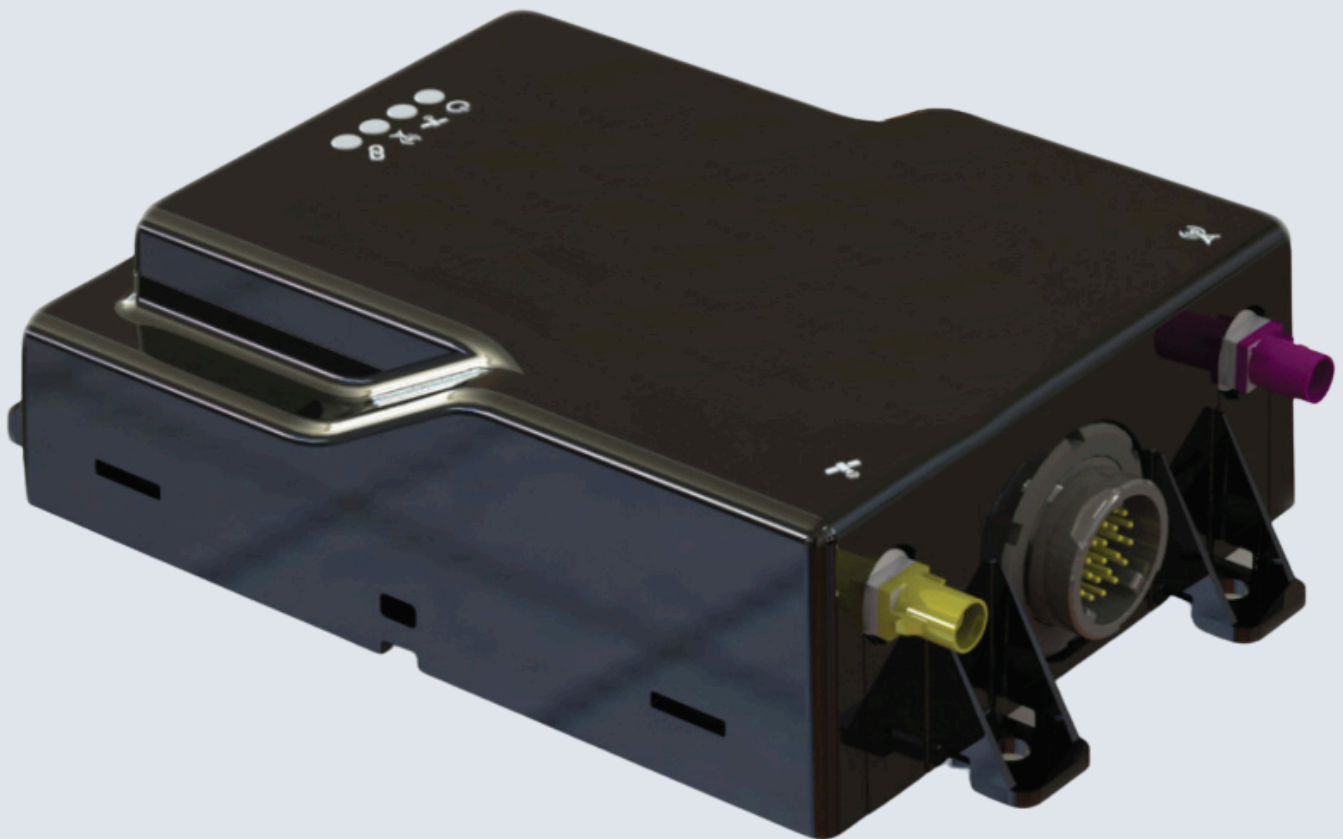


SCT100

SCT100 is a versatile, programmable, dual-mode terminal supporting simultaneous satellite and cellular connections. Cost-effectively monitor and control remote assets with multi-network connectivity. This platform is ideal for remotely monitoring and controlling fixed and portable assets.



PRODUCT SPECIFICATIONS

SATALARM® SERVER WEB-BASED SCADA

- Web browser & App based historian
- Color graphical interface
- User configurable displays
- Customizable dashboard
- Multi data point graphs
- Data tracking
- Integrated Maps
- Equipment configuration
- Device control
- Data conditioning
- Reporting

EXTERNAL INTERFACES

- Serial: 2 ports; RS-232 and RS-485
- I/O: 4 channel; individually configurable as analog input or digital input/output
 - o Analog inputs: 0 – 3.0V, 1.0mV (12-bit) resolution; 4-20mA, 143 Ω loop resistor
 - o Digital inputs: -10 – 150VDC safe, pull-up or pull-down
 - o Digital outputs: 32VDC safe, 250mA sinking (open drain), or 3VDC, 25μA (push-pull)
- Inputs: 4 channel; individually configurable as analog input or digital input
 - o Analog inputs: 0 – 5.0V, 1.0mV (12-bit) resolution
 - o Digital inputs: -10 – 150VDC safe, pull-down
- Outputs: 2 channel o Digital outputs: 32VDC safe, 250mA sinking (open drain)
- Additional I/O available using Modbus I/O expansion modules

ENVIRONMENTAL

- Operating temperature: transceiver and antenna: -40°C to +85°C; back-up battery: -20°C to +75°C;
- Dust and water ingress: transceiver: IP67; Satellite/GPS antenna: IP67;
- Vibration: SAE J1455 (Sec 4.9.4.2 fig 6-8); MILSTD-810G
- Shock: MIL-STD-810G (Sec 516.6)

PROGRAMMING

- Reporting (configured over the air):
 - o Configurable time-of-day based schedule
 - o Configurable interval-based schedule
 - o 1 minute up to once every 28 days
 - o By exception; user definable test conditions
 - Modbus RTU:
 - o 16 configurable commands
 - o Data reportable by schedule, interval, threshold test, any change, or pattern match

POWER

- Input voltage: 9 to 32VDC
- Load dump protection : +150V; SAE J1455

CELLULAR COMMUNICATION

- Global: Cat 4 LTE (B1, B3, B5, B7, B8, B28), UMTS (850, 900, 1900, 2100), Quad-band GSM
- Americas: Cat 1 LTE (B2, B4, B5, B12), UMTS (850, 900, 1900, 2100), Quad-band GSM
- Saudi Arabia: Cat 1 LTE (B1, B3, B8, B20, B28), UMTS (2100) • SIM: 3.3V/1.8V SIM

CERTIFICATIONS/ COMPLIANCE

- CE (R&TTE, RoHS 2), FCC/IC, PTCRB, Inmarsat type approval, ACMA, ICASA, Anatel, ITF, IEC 60945

CONTACT DETAILS

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INDIA

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Indore, Madhya Pradesh
PIN 452018

PH: +91
7898144480

PRODUCT SPECIFICATIONS

SATELLITE COMMUNICATION

- Frequency:
 - o From terminal: 1626.6 – 1660.5 MHz
 - o To terminal: 1525 – 1559 MHz
- Elevation angle: +20° to +90° (remote antenna)
-15° to +90° (low elevation antenna)
- Maximum EIRP: 7.0 dBW
- Maximum Antenna Gain: 4.5 dBic

PHYSICAL

- 148 x 113 x 47 mm • 181 x 113 x 47 mm including mounting feet
- 13.9 lbs. (6.3 kg)

GPS

- Acquisition Time: 1-27 seconds (warm & cold)
- Accuracy: 2.5 meters (CEP-Horizontal)

INTERNAL BATTERY

- Lithium ion 2,000 mAh
- Discharge temperature range: -20°C to +75°C

WARRANTY

- 3 year standard limited warranty

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