ST- 6100 C1D2

The ST-6100 Satellite Communication Terminal utilizes two-way satellite technology to give you important information and alert you to critical conditions, in many cases giving you the opportunity to respond before failure even occurs. Having visibility over your equipment's operating status gives you the power to make sound, informed, and timely decisions to optimize your operations. AMCiWireless can help by giving you the information you need to make these decisions and minimize or even prevent downtime in your operations.

PRODUCT SPECIFICATIONS

SATALARM® SERVER WEB-BASED SCADA

- Web browser 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

SATELLITE MESSAGING

- Two-way, global, IsatData Pro • From terminal (max per message) - 6400 bytes
- To terminal (max per message) - 10,000 bytes

MODEL OPTIONS

- ST-6100 - side mount or bottom mount
- Class 1 Div 2 available upon request

MOUNTING KIT OPTIONS

- Pole-mount
- Magnetic-mount

CERTIFICATIONS/ COMPLIANCE

- Satellite - Inmarsat
- Other - CE, FCC, IC, Anatel

PROGRAMMING

- Reporting (configured over the air): - Configurable time-of-day based schedule - Configurable interval-based schedule - 3 minutes up to once every 3 days - By exception; user definable test conditions
- Modbus-RTU: - 16 configurable commands - Data reportable by schedule, interval, threshold test, any change, or pattern match

GPS

- Acquisition Time: 1 second (Hot) 29/30/36 seconds(Cold)
- Accuracy: 2 meters (CEP)
- Sensitivity:
- Acquisition: -148 dBm
- Tracking: -163 dBm

ENVIRONMENTAL

- Operating Temperature: -40°C to +85°C
- Storage Temperature: -40°C to +85°C
- Humidity: 90%RH @ 85°C; meets SAE J1455
- Dust and Water Ingress: IP67
- Vibration - Meets SAE J1455
- Shock (survival): MIL-STD-810G

PRODUCT SPECIFICATIONS

EXTERNAL INTERFACES

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

POWER

• Input voltage: 9 – 32VDC
• Load dump protection: +150VDC
• Power consumption (typical average @ 12VDC, 22ºC):
- IDP receive: 65mA
- Receive w/ GPS/Glonass/Beidou: 22mA
- Transmit: 0.65A
- Sleep: 100µA

SATELLITE COMMUNICATION

• Frequency: - Carriage return (CR): 1626.5 – 1660.5 MHz;1668.0-1675.0 MHz - To terminal: 1518 – 1559 MHz
• Typical Latency: <15 sec, 100 bytes
• Elevation Angle: -5° to 90° for communications link
• Maximum EIRP: <7.0 dBW

INTERNAL BATTERY

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

PHYSICAL

• 5.0 x 5.0 x 1.9 in. (12.6 x 12.6 x 4.9 cm)
• 1.0 lbs. (0.46 kg)

WARRANTY

• 3 year standard limited warranty