



*Alta Industrial
Automation Ltd*

Intelligent Device Networking

M2M

Preliminary

Pioneer



- M2M applications available out of the box—no programming required.
- Monitor and Control Valuable Remote Assets.
- Real Time connectivity over the GSM wireless network.
- Low Power Consumption with power management and ignition control options.

Specifications:

The remote equipment, Pioneer product line, takes advantage of the internet and cellular communications for mobile and stationary asset monitoring, data logging, and control, where GPS and Data Acquisition are employed in Telemetry and M2M applications.

Applications:

- Remote tanks
- Gas wells
- Irrigation
- Air quality
- Asset tracking
- Asset management
- Fleet management
- Remote asset security
- Data Logging

Ordering Information:

Pioneer - $\overline{\text{D}}$ $\overline{\text{G}}$
 D—Data Acquisition
 G—GPS



Base Features:

Communications

- Cellular communications
- Quad-band 850-900/1800-1900MHz GSM
- 50 Ω SMA connector
- RS232 auto-baud rate up to 115200 baud

Environmental

- Operating Temperature -30C to +75C

Power

- Supply Voltage 10-28Vdc
- Nominal Power 12Vdc 40mA
- 5-28Vdc Ignition control input

Mechanical

- 13.7cm x 5.7cm x 2.7cm (LWH)
- 150g weight
- Aluminum extrusion and face plates

Optional Features:

G—GPS

- L1 (1575.42 MHz)
- 515m/s operating speed
- Sensitivity of tracking -152 dBm

Accessories

- Mounting brackets
- Enquire about antenna options
- Enquire about wire harness options

D—Data Acquisition:

Inputs/Outputs

- 2 Relay Outputs (COM/NO/NC) 24Vdc @1A
- 4 Digital Inputs (4.5Vdc—28Vdc)

Analog Inputs

- 2 Channels with 10 bit resolution
- 0-5Vdc/0-20mA 250 Ω load
- 0-10Vdc 500 Ω load (optional)

Software Options

- C-DAQ Tracker Server Option enables your Pioneer to work out of the box (no programming required).
- Client webpage development kit. Use standard web development tools to customize your own webpage.

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