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## iRAMS I/O

### Intelligent remote asset management system

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iRAMS I/O is a flexible, expandable and efficient IOT remote monitoring solution over satellite and/or cellular that collects, stores and reports on data from remote locations.

Multiple analogue, digital and MODBUS I/O protocol inputs allow a broad range of sensors or devices to be integrated (wireless options available) across any market sector.

Data is delivered to an intelligent secure, user friendly, web-based portal which can be accessed via any internet enabled device, PC, tablet allowing access to reports and data from wherever you are.

#### Key Benefits:

- **Cost effective:** cuts capital and operation costs
- **Reliable:** signal is not affected by weather or topography
- **Safety:** enables data to be collected without the need for personnel to visit remote locations
- **Timely:** make changes to logging intervals or collect data from anywhere in the world
- Easy and quick to install

#### Features:

- **Flexible:** expandable and efficient
- **Versatile:** works with a variety of protocol inputs
- **Alarms:** set multiple alarms per sensor and deliver via e-mail or SMS
- **Reporting:** flexible reporting templates available
- **Control:** controllable output allows you to turn devices on/off and remotely configure sensors
- Can be used with solar or stand-alone battery (2 year life)



## Reduce staff costs and risk

Sending personnel to distant desert, forest, mountain or offshore sites to collect remote data isn't just expensive, it's risky for them and unreliable for you.

If distances are large or access is affected by weather, the timeliness of data collection will be impacted as well.

iRAMS I/O eliminates these risks to you staff and business with smart satellite remote monitoring. You can configure, install and leave one iRAMS I/O device at each remote location to collect and transmit data continuously and reliably for as little as US\$1.00 per day.

You can access all your data and reports and control all your devices centrally via the user-friendly iRAMS I/O web portal, from wherever you are in the world.

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## Specifications

<b>Weight</b>	5.1kg (solar model) 2.1kg (battery model)
<b>Battery Type</b>	12V/7.2Ahr SLA (solar model) / Li primary 12V/13Ahr (battery model)
<b>Battery Life</b>	~2yrs at 2 messages per day (battery model)
<b>Battery Operating Temp</b>	-20°C - +60°C (-68°F - 140°F)
<b>Battery Charger</b>	12V SLA charger with international adaptor
<b>Power Input</b>	12 - 14V
<b>Power Output</b>	2 x 5V   12V   24V
<b>Inputs/Outputs</b>	1 x Multiplexed Analog / Digital / Counter Input 1 x Multiplexed Analog Input / Digital Input / Counter Input / SDI12 2 x Multiplexed Analog Inputs / Digital Inputs / Counter Inputs / Digital Outputs 1 x Modbus RS485
<b>I/O Connector Type</b>	1 x Tajimi 5-pin female connector; 1 x Tajimi 7-pin female connector, 1 x M8
<b>Solar Panel</b>	5W
<b>No. Solar Days</b>	~30 (without solar input)
<b>Pole Mounting OD</b>	50mm



For impartial expert advice on which solution best suits your needs please contact our sales team

Tel: +44 (0)1493 416 566 Email: [info@ast-msl.com](mailto:info@ast-msl.com)  
[www.ast-msl.com](http://www.ast-msl.com)