



## ICP DAS and Machine to Machine Industry: Working Together to Deliver the Performance you Need

[ICP DAS USA's I-7188 / 7186 µPAC](#) products enable a well known Machine to Machine Industry company to connect various pieces of equipment such as natural gas compressors, EFMs, plunger lift systems, and generators to each other.

The [µPAC-7186EX](#) communicates directly with the equipment's PLC, RTU, or control panel. The device is placed in a NEMA 4 enclosure to protect it from the elements. It's then connected to a satellite terminal or cellular modem. Communication protocols utilized are those that provide duplex communications between the equipment and a world-class data center. This allows for acknowledgment that the message has been received, enhancing the system's reliability. Once arriving at the NOC the data is parsed, processed, and converted into usable information.

Customers are notified whenever any of the measured data points fall outside of a normal range. Through the online client services portal, users can easily configure alarm thresholds. They can also configure who receives alerts, and whether they're delivered via fax, SMS (text message), or email. The online client services system also allows users to set up hierarchies so users only see the information they need.

Getting data from the equipment is part of the solution, but what good is it if you can't act upon the information that's received? Machine to Machine Industry companies provide numerous services to help customers not only collect and view remote data, but also make the data operationally relevant. With systems in place for monitoring and control, preventative maintenance, dispatch and location based monitoring, and machinery analysis, a complete suite of services come together to improve the operations of almost any organization.

These services are offered as a hosted solution. There are no expensive software licenses to purchase. When subscribing to their services, you simply pay a low monthly fee, calculated on a per monitored asset basis. The system can then be used by anyone within the organization, providing a complete operational understanding of one's remote assets.

Our well known machine to machine industry customer is committed to offering solutions that are simple and easy to use with world-class reliability. That's why they work with ICP DAS as a hardware partner. They know what they're going to get and that it's going to perform every time. In case of an unacceptable parameter, an alarm is triggered and client personnel are alerted via fax, email, or text message. This allows clients to respond accordingly and prioritize all open alarms.

[ICP DAS USA's µPAC-7186EX-FD-X305B](#) is extremely robust and is designed for harsh environments. It can operate in temperatures as low as -25°C and as high as 75°C. It has low power consumption 1.5W – 2.5W. It also has frame ground for ESD protection. XServer is a powerful I/O program designed for Ethernet I/O programs. It is provided with [µPAC-7186EX-FD-X305B](#) and allows users to control [µPAC-7186EX-FD-X305B](#) hardware. More benefits of the µPAC series include quick loading time, a lot of demo programs available and a 64 MB file system is provided data logging.

**Want to learn more?**

Visit us online at [www.icpdas-usa.com](http://www.icpdas-usa.com)

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