

iDigi[®] Device Cloud[™]

Application Platform for Device Networks

Scalable, on-demand, secure cloud computing platform offers device management and application integration services.

Overview

The iDigi Device Cloud is designed to provide application integration with device networks. Based upon an extended cloud computing model, the iDigi Device Cloud is focused on solving the challenges of massive scalability and service reliability while meeting the security requirements of today's device applications. Integration is straightforward through an abstraction layer that provides access and control of device networks. Integrating client software, web applications or mobile applications to the iDigi Device Cloud is easy through a variety of published iDigi Application Programming Interfaces (APIs).

The iDigi Developer Cloud

Serving the needs of research and development, testing, prototyping and demonstration, the iDigi Developer Cloud provides a safe test-bed for developers preparing for a launch of their solution. The iDigi Developer Cloud has the identical attributes of the iDigi Production Cloud so accurate systems assurance testing can be performed. The Developer Cloud portal includes tools, reference designs, device developer kits and tutorials about deploying device network applications. Access to the iDigi Developer Cloud is available at <http://developer.idigi.com>.

The iDigi Device Cloud

The iDigi Device Cloud is a production environment designed and tested to meet the rigorous requirements of large-scale device network deployments. Hosted on a commercial-class infrastructure utilizing virtual and dedicated resources, the iDigi Device Cloud provides on-demand scaling, active monitoring and high-availability of services delivered with the assurance of the iDigi security policy.

Contact us at 1-877-IDIGI-EZ to learn how to connect to the iDigi Device Cloud or visit www.idigi.com.

Diagram



Features/Benefits

- No-cost development platform
- Easy application integration with open, published APIs
- Industry applications include energy, fleet, tank, hospitality, medical, industrial equipment and consumer appliances
- No scalability planning required
- No infrastructure planning required
- Broadcast network grade service availability
- Usage-only based fees
- Very low cost-of-service
- Instant device connectivity
- Industry-leading security



Scalability

Today's device network deployments must be able to adapt and expand seamlessly to support large numbers of devices, data-points and messaging. Depending on application requirements, the throughput requirements can easily exceed the transactional levels of today's global social network services. The iDigi Device Cloud's throughput capability sets the standard for verified scalability elasticity.

Service Reliability

The iDigi Device Cloud is designed to meet or exceed service availability requirements through commercial class clustering and fail-over technologies. On par with the service availability requirements of major media broadcast networks, the iDigi operations organization manages and monitors the iDigi Cloud twenty-four hours a day, year-round.

Security

The iDigi security policy is based upon a control matrix developed to support the standards set forth by the National Institute of Standards and Technology (NIST), ISO/IEC 27002, North American Electric Reliability Corporation - Critical Infrastructure Protection (NERC-CIP) and the Cloud Security Alliance (CSA). Within the cloud, iDigi security technologies and processes prevent, detect, respond and audit cyber threats on a continuous basis.

Infrastructure

The iDigi platform is hosted in multiple commercial-class SAS 70 certified facilities. Available in any region in the world, Digi supports our application partners twenty-four hours a day, year-round through iDigi technical support.

Machine Device Support

All Digi gateways, routers and embedded components are iDigi ready and therefore can be instantly provisioned on the iDigi platform and made accessible to iDigi applications. This includes the ConnectPort® and Digi TransPort® product families, and ConnectCore™, XBee® and Rabbit® component product families. Additionally, non-Digi devices can be integrated to the iDigi platform using iDigi DDK which includes a reference design for Linux.

iDigi Manager Pro™

The iDigi Manager Pro software as a service delivers capabilities that empower IT and network operations, while addressing the challenges of managing the vast array of equipment in device networks, such as:

- Centralized access and control of network equipment
- Complexity of services
- Security
- Provisioning of new equipment
- Decommissioning of equipment
- Adding functionality to the network



For more information about the iDigi Device Cloud and iDigi Manager Pro, please visit www.idigi.com.

Visit www.idigi.com for more information.

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Digi International
877-912-3444
952-912-3444
info@digi.com

**Digi International
France**
+33-1-55-61-98-98
www.digi.fr

**Digi International
KK**
+81-3-5428-0261
www.digi-intl.co.jp

**Digi International
(HK) Limited**
+852-2833-1008
www.digi.cn



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