



Remote Device Management for the IoT

A command center for
your dynamic network

DIGI  [®]

Digi Delivers Scalable Solutions

Digi International is a global provider of mission-critical Internet of Things (IoT) connectivity across the most challenging environments.

We help our customers create next-generation connected products and applications. Digi's solutions support commercial and industrial enterprises in deploying, monitoring and managing critical infrastructure in demanding environments with high levels of security, relentless reliability and bulletproof performance.

Founded in 1985, we've helped our customers connect over 100 million things, and growing.



What's at Stake

Wireless networks and devices require new strategies. With devices installed in locations that are remote or hard to reach, you need eyes and ears on your network of devices to ensure they are performing as required. You need the ability to update, troubleshoot and fix issues that occur – quickly and without having to send personnel out to those devices, which could number in the hundreds or thousands.

And finally, you need a built-in security watchdog that can thwart tampering to keep your network secure.

Digi Remote Manager® delivers all this and more, giving you a command center for your dynamic network that simplifies every aspect of deploying, managing and updating your devices.



The Cost of Device Management

The following example provides costs for a deployment of 200 devices in a metropolitan city. It shows how typical costs add up – including truck rolls, security management and device updates – and the savings when managing devices remotely with Digi RM.

STAGING

Cost per device: \$38
Annual Total: **\$7,500**

UPDATING FIRMWARE

Cost per device: \$300
Annual Total: **\$240,000**

APPLYING SECURITY PATCHES

Cost per device: \$150
Annual Total: **\$30,000**

RECONFIGURING DEVICES

Cost per device: \$300
Annual Total: **\$60,000**

Total Cost of Example
Annual Cost of 200 Devices

\$344,700

Annual Cost of 200 Devices
With Digi Remote Manager

\$9,600

Total Savings = \$335,100

Ensuring Network Stability and Security

Network downtime is astronomically expensive, especially when productivity, critical business processes or financial transactions are at stake. Data breaches add even more costs.

Network administrators need to be able to prevent security intrusions and network outages with proactive measures, identify critical issues immediately when they do occur, and rapidly address and remediate them.

Digi Remote Manager (Digi RM) delivers key capabilities and tools to support these imperatives with stable, reliable and secure networks.

Put automation to work for you

- Rapidly configure any number of devices with approved and verified configurations to eliminate human error.
- Use Digi RM's automated remediation feature to detect any unintended changes and reset devices back to an approved configuration.
- Automate firmware updates and security patches to keep your devices up-to-date and in compliance at all times.

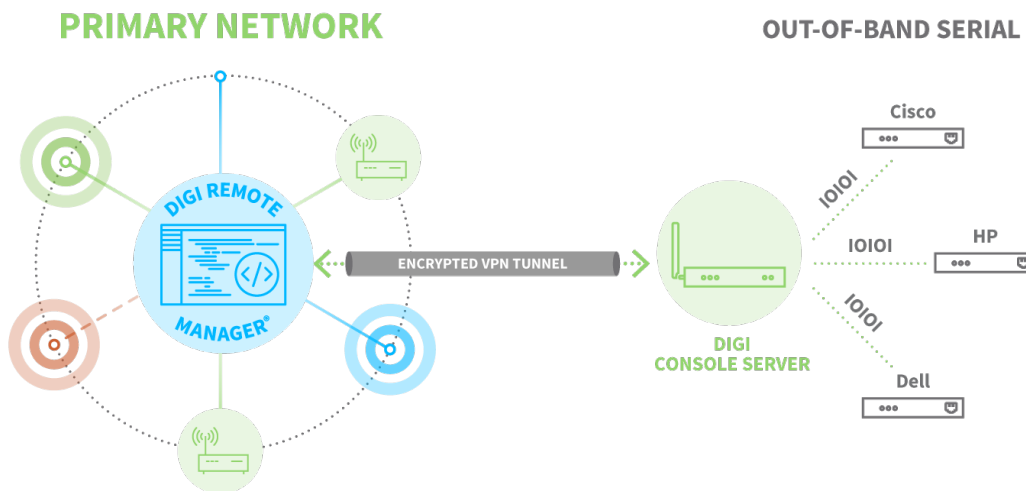
Pre-validate configurations

- Ensure device configurations are accurate by validating them prior to deployment.
- Deploy the same validated configuration to all devices of the same type that must behave the same way.
- Manually update those that require special functionality, while maintaining the ability to bulk manage them with other devices in the same group.

Keep your network managers in the office

- Digi RM provides the tools that help them keep tabs on their network remotely.
- The platform also provides notifications for specified conditions so the team can address them quickly.
- Your team only needs to roll a truck when an issue is identified that requires a technician to perform equipment fixes in the field.

Additionally, Digi Remote Manager provides out-of-band management through a command line interface and a serial connection via secure VPN tunnel — not only for your Digi devices but for all IP-based devices on your network. This gives your team immediate, proactive and secure control across your remote distributed network.



Seamless Integration with Cloud Services

Many organizations already have a system in place for managing aspects of their network and distributed applications. For example, many organizations are moving into hosted cloud services, like Microsoft Azure, Amazon Web Services and Google Cloud Platform. Organizations want to accomplish as much as possible in those systems to avoid deploying multiple management platforms.

However, proprietary management technology typically lacks interconnectivity across your systems and processes.

Digi Remote Manager solves that challenge with a comprehensive set of APIs, which allow you to integrate your hosted environments and business processes with your IoT device monitoring and management tools.

Now you can use APIs to connect your controls, reporting and data back to your cloud management platform, even in the face of complexity.

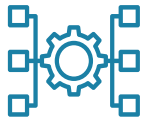
Keep up with changing technology and new requirements:

- 5G deployment is underway; Digi RM is the ideal platform to support your migration.
- The number of users moving to mobile connectivity is on a growth trajectory.

Establish interconnectivity with web services:

- Use APIs to connect your systems and data with your central management system.
- Trigger business process flows and retain your information in any database, wherever needed.

Managing IT Costs and Resources



Do more with less:

- Group, tag and configure devices.
- Deploy firmware updates and security patches across your network in minutes vs. the hours or days required when those are manual processes.
- Visualize and manage ever greater numbers of deployed devices from a central point of command.

Gain valuable insight:

- **Reports:** Pre-built reports with the data you need most.
- **Location Services:** Track and map your devices' location data and GPS coordinates.
- **Visibility / Analytics:** Set alerts to maximize uptime.
- **Real-Time Diagnostics:** Facilitate maintenance and troubleshooting.
- **Data Management:** Generate new revenue opportunities via predictive insights.

Adding more devices and integrating critical processes generally requires more head count. However, IT departments today are being asked to manage network connectivity to near 100% uptime levels with no additional resources – even as networks are growing in complexity, and the number of deployed connected devices is on a meteoric rise.

To manage all those devices, IT teams find they either need to develop a home-grown toolset for tracking and managing their growing networks, or log into each device manually to send updates. Today, organizations that want to scale need sophisticated, well-maintained tools to monitor and manage their networks, update them to the latest firmware, and minimize risk due to unforeseen events — especially when the device network spans over miles or across the globe.



Four Pillars of Network Management Success



Control

Digi Remote Manager is your command center for your intelligent network, providing automation, visibility and remote access. Take command of your device network, and never miss a critical event. Keep devices online and up-to-date with the latest security patches.



Resilience

Digi SureLink® supports your network reliability goals. The conditions affecting a network are always changing. New devices are coming on, old devices fall out of compliance and there are a lot of factors that can cause downtime. With manual processes, the options for failure are endless and the resources needed for recovery are time-consuming and expensive. Maintain a resilient network with visibility and uptime tools that support your critical SLAs.



Security

Digi TrustFence® is a comprehensive security framework that pairs with Digi Remote Manager to support robust device and network security. It is critical to have security controls and processes built into the devices on the network, as well as in the tools for ongoing monitoring and the processes for performing device updates. Digi gives your team a multi-pronged approach with Digi TrustFence and Digi Remote Manager.



Intelligence

Digi's highly sophisticated Linux-based operating system is built into every Digi cellular device, offering intelligence and flexibility. The result is a software-enabled environment that provides the tools you need to work with the technologies of today, but also to protect your investments as technologies evolve.



Connect with Confidence



877-912-3444



digi.com/contactus

9350 Excelsior Blvd. Suite 700, Hopkins, MN 55343

Digi International - Germany

+49-89-540-428-0

Digi International - Singapore

+65-6213-5380

Digi International - Japan

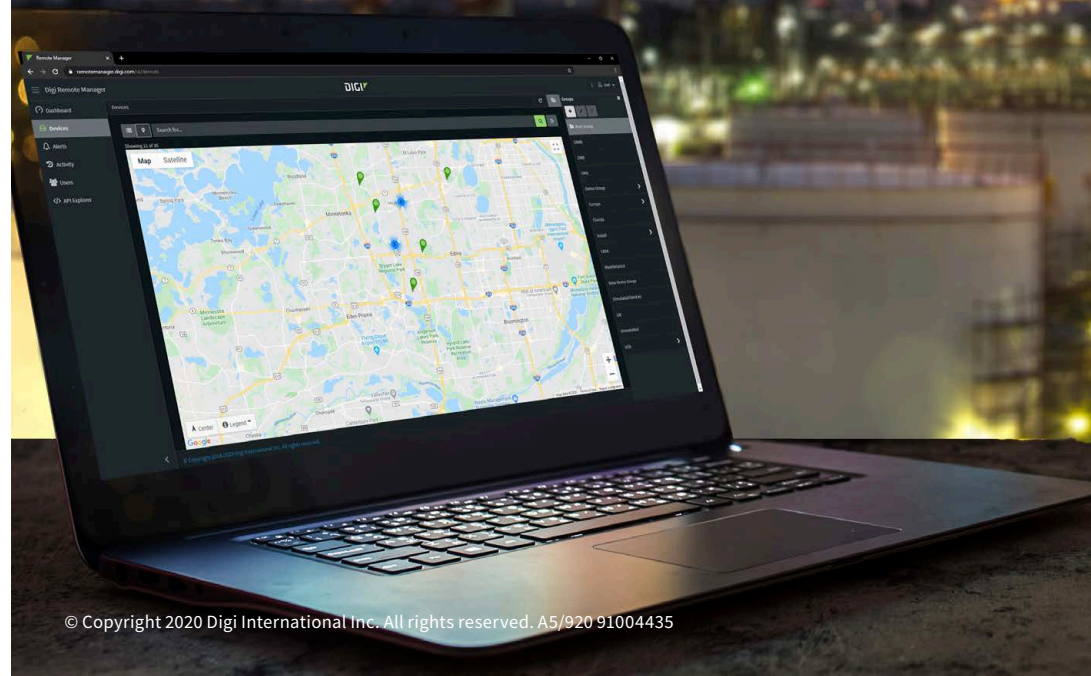
+81-3-5428-0261

Digi International - China

+86-21-5049-2199

TALK TO A DIGI EXPERT TODAY

OR VISIT US AT [DIGI.COM](https://digi.com)



© Copyright 2020 Digi International Inc. All rights reserved. A5/920 91004435