

# RESILIENT CONSOLE CONNECTIVITY

Rapidly deploy, configure and manage your IT devices with Digi Connect® IT remote console access servers.



Network uptime is crucial for your business operations...and outages can be extremely costly.

While some management tools can be used for performance monitoring and remote troubleshooting, they'll only work when the network is available. For a reliable back-up solution, organizations turn to out-of-band (OOB) management with console servers. IT network engineers can use OOB to remotely reconfigure, reboot and re-image key assets even when the primary data network is down.

Before the advent of 4G cellular networks, businesses used back-up connections with a common path – with the result being a common outage. Alternatively, Digi console servers access multiple towers and multiple paths to make certain your connections are always up, always on.

Network administrators can choose the number of ports based on the number of IT assets to connect. To aid selection, the Digi Connect® IT family has a range of models with one, four, sixteen or forty-eight serial ports to meet virtually any capacity need.



## STAY CONTINUOUSLY CONNECTED

Digi Connect IT console servers run the Digi strategic DAL Linux-based operating system. This full-featured OS allows full routing, VPN and failover/failback using an internal 4G LTE connection.



## MODULAR CELLULAR CONNECTIVITY

Digi Connect IT 4, 16 and 48 utilize Digi CORE™ LTE modems, so you can add cellular as you need it – right out of the box, or upgrade at a later date. Digi CORE LTE modems also give you a range of connection speeds from which to choose.

Use either LTE CAT 6 (300M down/50M up) for high bandwidth needs or LTE CAT 4 (150M down/50M up) and LTE CAT-M (300K/300k) for more cost-effective solutions. If you need to upgrade at a later date you can select the radio that best fits your new requirements and readily replace it in the field.



## ELIMINATE DIAL-UP (POTS)

Digi Connect IT Mini is a low-cost single port solution that easily replaces obsolete dial-up systems. The cost of the Digi Connect IT Mini is at or below the typical cost of a commercial grade analog modem, and CAT-M data plans are usually less expensive than traditional dial-up lines from your local telco. Unlike dial-up, Digi Connect IT Mini can be centrally and securely managed, updated and controlled.



## MORE SECURE CONNECTIVITY

Digi TrustFence® is the security framework for all Digi cellular routers and related hardware and software. It builds in security at the ground floor, producing a new secure orientation for cellular devices with authenticated boot, encrypted data storage, secure software updates – and excludes all non-secure ingress protocols.



## FOR DEPLOYMENTS LARGE OR SMALL

In typical large scale deployments, network engineers see a number of large data center opportunities with many IT assets requiring connection, while a larger number of sites may need only four or fewer ports. That's why the Digi Connect IT product family approach lets customers "right size" each site with precisely the right product with the right number of ports for the job.

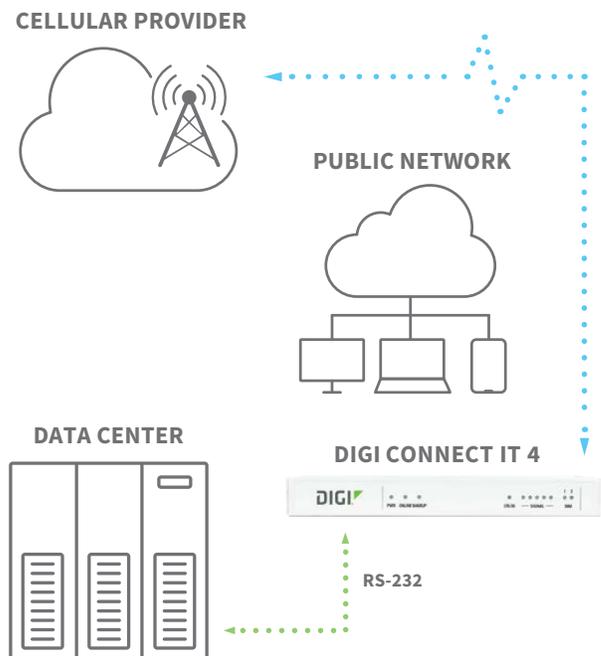


FIGURE 1: SMALL SCALE DEPLOYMENT

## NO NEED TO FEAR THE NAT

Digi Remote Manager® (DRM) supports an encrypted “tunnel” across a Network Address Translation (NAT). Users will no longer require a costly publicly addressable IP address.

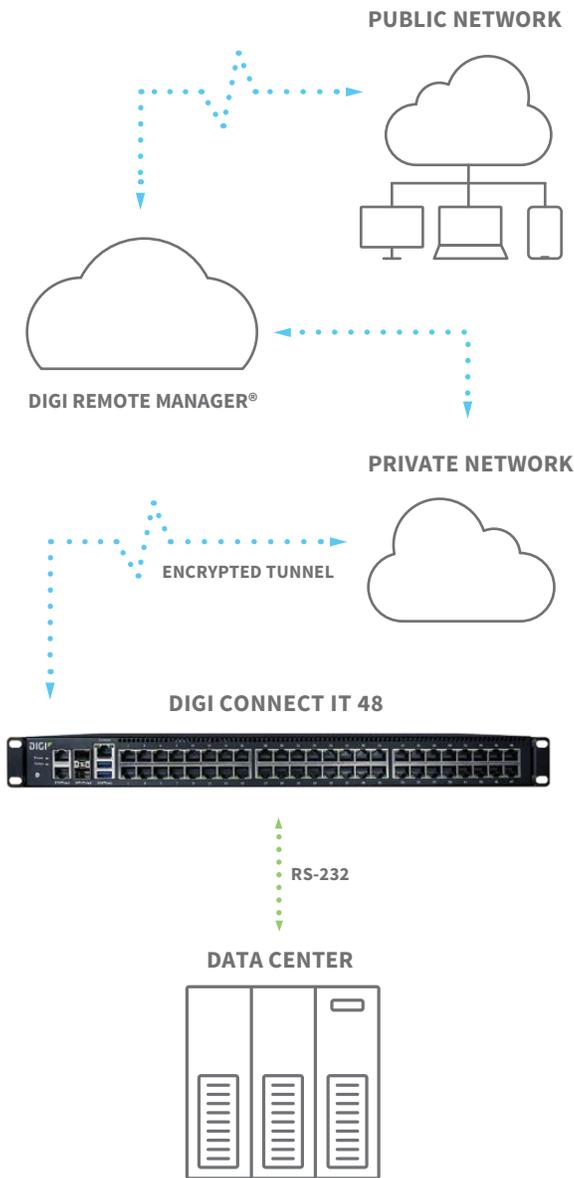
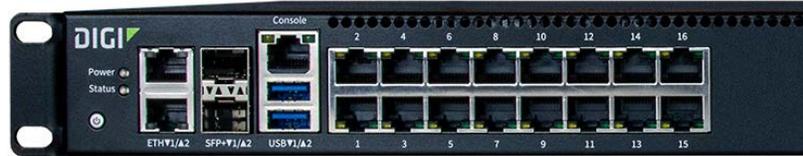


FIGURE 2: ENCRYPTED TUNNEL



## RELIABILITY IN HARD-TO-REACH SITES

LTE-M substantially enhances Internet of Things (IoT) coverage for low-cost LTE devices suitable for massive machine-type communications, especially as compared to typical LTE devices. A number of companies conducted a thorough link layer simulation analysis to evaluate actual coverage performance of LTE-M technology. Their key finding was that LTE-M can realistically support a coverage gain of 21 dB relative to legacy LTE devices.



Learn how  
Digi can optimize  
your scaled  
deployments of  
IoT and network  
devices.

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