



Securing Private Cellular Networks

OneLayer and Digi Private 5G/LTE Security Solution: Control Devices Using Cellular Routers

To manage the challenges inherent in integrating cellular and non-cellular devices, OneLayer Bridge and Digi together leverage a multi-faceted approach to detect “blind spots” and fingerprint non-cellular devices. This enhanced visibility enables asset management, segmentation, and vulnerability management for non-cellular devices, bolstering the overall security posture of the private cellular network and enabling a single pane of glass for visibility across the entire cellular network.

The Challenge:

Blind Spots and Lack of Comprehensive Visibility

Integrating non-cellular devices into a private cellular network can create blind spots that are invisible to standard network monitoring tools. These blind spots introduce potential vulnerabilities and security risks, requiring their elimination to maintain complete visibility and control over all network-connected devices.

Unauthorized Device Access

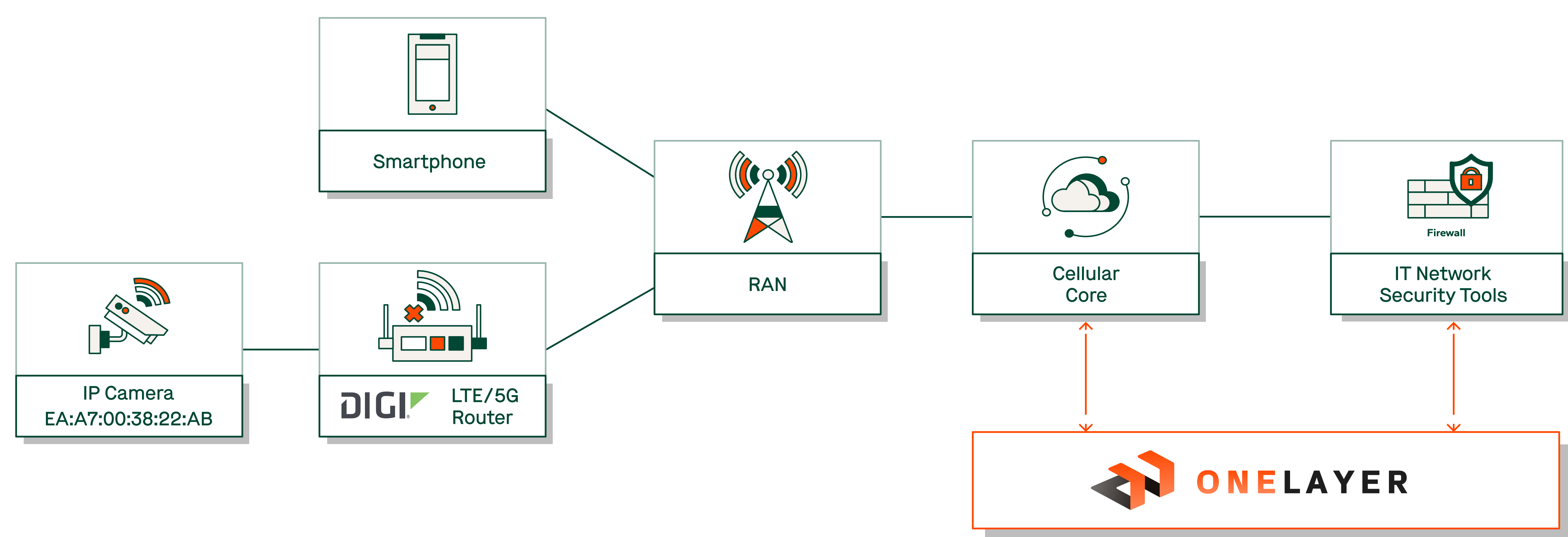
Cellular routers, as part of private cellular networks, require efficient identification of unauthorized devices upon connection and enforcement of Zero Trust security measures to prevent unauthorized access from devices connected behind the cellular router.

The Solution:

OneLayer’s and Digi’s Combined Solution

Unlock the full potential of OneLayer’s unique solution and Digi’s cellular routers to gain complete visibility and control with Digi’s cellular routers. OneLayer Bridge and Digi pre-integrated solutions offer absolute control, visibility, management and uncompromising security for the router and integrated non-cellular devices, within the private cellular network.

Diagram 1: Extend your Enterprise Network Capabilities to 5G/LTE with OneLayer Bridge™ and Digi Cellular Routers



Visibility

OneLayer ensures complete visibility within the private cellular network by identifying and fingerprinting devices integrated into any CPE, including Digi cellular routers. This process eliminates blind spots, enhancing overall network security.

Tracking Non-Cellular Devices

OneLayer’s proprietary MAC-Lock policy correlates non-cellular devices’ MAC addresses to the Digi router’s unique OneID. This capability allows OneLayer Bridge to actively track and promptly alert about any changes behind the Digi cellular routers, such as unauthorized device replacements or connections.

Detection and Response

OneLayer Bridge rapidly identifies and responds to network changes, ensuring immediate action to prevent unauthorized device changes in the Digi cellular routers. This swift detection and response mechanism preserves the network’s integrity and Zero Trust approach.



About OneLayer

OneLayer brings complete cellular device identification and threat prevention to IoT and other devices connected to a private LTE & 5G network so any activity can be tracked and policies put in place to secure the environment. With OneLayer’s solution, you’ll gain full asset management capabilities, get operational intelligence, and protect against cellular breaches through zero-trust segmentation. OneLayer is dedicated to the private cellular networks’ security domain. It enables enterprises to treat the new cellular network as another enterprise network without the need to be cellular experts. To learn more about OneLayer, please visit www.onelayer.com or [LinkedIn](#)



About Digi International

Digi International Inc. (NASDAQ: DGII) is a leading global provider of business and mission-critical Internet of Things (IoT) connectivity products and solutions. We help our customers create next-generation connected products and solutions to deploy, monitor and manage critical communications infrastructures and compliance standards 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. For more information, visit www.digi.com

Start Your Journey
to Secure Private
Wireless Networks

Contact OneLayer now to learn more about our Digi integration and enterprise wireless solution.

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