

Your Private 5G Network Planning Checklist

Achieve Warehouse Efficiency

Are you ready to maximize your warehouse space, equipment, and resources with connectivity that is both secure and uninterrupted? Private 5G networks are the answer to bringing your warehouse operations into the modern age. Good decision. Now what?

Follow this planning checklist.



Know what's critical

A private 5G network functions by partitioning and prioritizing business-critical functions. So, you can fully enable IoT applications like barcode, OCR and RFID scanners, plus automation and robotics anywhere without interference.



Take Action: Carefully list which application require maximum security, high-speed bandwidth, low latency, and mobility. Which are indoors/outdoors or in hard-to reach areas? Be sure to document current as well as future technologies, so your network can be designed to perform now and scale for the future.



Do-it-yourself or outsource

Before you build, consider how (or who) should do the building: in-house or out. While an in-house project may seem less costly, an outside partner may offer more expertise to help you design the best networking solution. Avoid hidden costs like upkeep, training in-house staff, and managing risk.



Take Action: Ask yourself: Do you have the 4G/5G expertise in-house to plan, design, install and manage the network? Will the time and resources needed to train your team on current and new technologies impede other initiatives? Would a managed service provider be better able to assist with ongoing operations...at a price you can afford?



Don't break what's working

You want to improve the efficiency of your warehouse without disrupting it. Planning and experience are paramount to the build and deployment of your new network. When done right, integrated building and warehouse management solutions will improve your ROI for years to come.



Take Action: Think of what can go wrong now so you can plan accordingly. What can negatively impact your employees, inventory, distribution, and customer service? An experienced partner can understand your specific environment and curtail potential issues with your insight. Also think about how you will respond to any disruptions.



Pick your battles

With limited resources and capabilities to keep your warehouse operations running at optimum levels, you'll need to pick your battles. Like enterprise security and network control. Who owns the data and the network? How will ongoing support and security be ensured?



Take Action: List the Pros and Cons of choosing a 24x7 managed service provider vs. a do-it-yourself model. Who will respond to both network operations and issues? What does the Service Level Agreement look like? Will you have access to a network dashboard for visibility into network performance? Do you have IT teams on staff with the expertise to assess operational concerns?



Double-down on security

Your warehouse is your livelihood and your equity. A Private 5G network can better protect your enterprise when implemented correctly. Embracing digital transformation can be the key to increased productivity and growth. But with more integration of AI devices and tools, comes greater security risk.



Take Action: Carefully weigh your risk. Do you fully understand potential (and future) threats and how to mitigate them? Are you implementing all the access control and CCTV security measures into your network planning? How will your security be monitored? Will you have periodic threat assessments? Can you or your solution provider detect and respond to threats before they cause serious issues?



Plan your investment

Financing improvements to your warehouse operations can be challenging. But the investment can be worth it. Give thought to both your upfront and your ongoing network and service costs, and weigh these against the operational efficiencies you can gain.



Take Action: Determine your up-front and ongoing investment budgets and compare pricing models. Are you interested in a CapEx or OpEx model, or do you want the flexibility of both? Will you pay for access to your own data? Will a provider offer transparent pricing, without hidden fees or sudden hikes? What will be the costs of staffing, monitoring, and maintenance?



5G as a Service ticks all the smart warehouse boxes

Many high-performing warehouses choose a turnkey managed solution for superior connectivity, reliability, and security. Betacom will plan, design, install and manage your network with our 5G as a Service (5GaaS) solution. You control the performance criteria, data, and the network as a whole, backed 24x7x365 by our Security and Service Operations Center (SSOC). 5GaaS delivers high speeds and low latency, can be sliced into discrete services for different applications, and can scale as you grow.

We take on the task of getting your private 4G/5G network seamlessly deployed and operational, leaving your team free to focus on your core business. [Learn more at betacom.com](https://betacom.com).

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