



## Reliable and Cost-efficient Wireless Broadband Connectivity for All PSS applications

Public safety and security (PSS) organizations need to ensure uninterrupted flow of information between the HQ and mobile units. Up until now, reliability, security, and cost-efficiency have been impossible to include in the same connectivity solution. Now Goodmill Systems Ltd. has changed all this by introducing their revolutionary Goodmill w24e multi-channel router solution.



### Data traffic was unreliable, not secure enough or too expensive

Up until now, most PSS organizations have either used TETRA and other private networks or public networks in their data traffic. Neither of these options is perfectly suited for the task. Commercial networks are faster and cheaper to deploy and to use than the private networks but not nearly as secure. Reliable and secure broadband connection would be the ideal answer but building such a system is way too expensive and slow. And even then a single network could never be completely reliable. Therefore a better solution was needed.

### Goodmill w24e changed the paradigm of broadband connectivity

Goodmill w24e was designed with critical PSS applications in mind. By adopting this revolutionary router solution, the PSS organization ensures a reliable, fast, and secure broadband connection between the HQ and all the mobile units.

### Amazing possibilities with the revolutionary broadband concept

With Goodmill w24e, PSS organizations increase situational awareness and make command and control duties easier. They can also more efficiently collect vital information, such as medical records, details of dangerous substances, maps, pictures and video, and share it between the HQ and the vehicles. This has numerous possible applications:

- **Stream real-time video** to police and fire stations, mobile command centers, squad cars, and fire trucks. This way the central command and control personnel always have access to the same visual information as their personnel in the field, and they can better respond to emergency situations.
- **Upload medical images, accident scene video, and data on a patient's condition** from ambulances and the accident scene to hospitals. This speeds up diagnoses and improves care.
- **Download floor plans of burning buildings** before arriving at the scene of a fire.
- **Deploy first responders more efficiently** to improve response times to accident and crime scenes where mere seconds matter.
- **Share data seamlessly** amongst first responders from cooperating jurisdictions.
- **Speed up information checking**, such as license plates, driver's licenses, as well as passport and biometric details.
- **Send detailed images of lost children or wanted people** to officers in the field so they can act on requests immediately.

### Main benefits for the PSS organization

- Saves time and money by eliminating the need to build new broadband networks
- Ensures extremely wide broadband coverage also in rural areas by utilizing several networks/technologies
- Makes work a lot easier in the field thanks to very reliable data connectivity
- Takes efficiency to a new level because the same applications can be used in the field and office
- Helps avoid security threats by utilizing a completely secure connection
- Offloads data traffic from the TETRA networks after which TETRA works much better in voice communication
- Enables new technology/networks to be taken into use gradually

### Effortless and quick to utilize

Since Goodmill w24e is a plug-and-play system, it is very easy to take into use, and the devices are always fully remotely managed. Implementation and roll-out are precise and secure thanks to the system architecture, where all devices are first created in the system database with full configuration. When physical devices are taken into use, the automatically created configuration is downloaded to the device. Therefore installation personnel do not need any knowledge of routing, firewalls, VPN tunneling, or radio technologies. Furthermore, all sensitive parameters are completely secure inside the system, where outsiders cannot access them.

The management platform is Linux-based and one server can handle several thousand devices. A large installed base can be managed with physical server(s) or in a virtual server environment based on the existing infrastructure and desired setup. The platform scales easily with the installed base without a need to replace servers. New server capacity can easily be added parallel to the existing servers.

### Main features

- True broadband data connection using several commercial networks
- Better coverage than any single network can provide
- Completely secure
- Cost-efficient compared to dedicated closed networks
- Future proof
- Offloads data traffic from the TETRA network



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