

Reliable Broadband Connection for Road Transportation Applications

Buses, cabs, and other road transportation applications benefit immensely from wide, uninterrupted broadband coverage. With the Goodmill w24e-T multi-channel routers, they can now achieve this very cost-efficiently.

MAIN FEATURES

- Multiple wireless WAN Uplink connections
- Bandwidth management and QoS for bandwidth optimization
- Managed parallel VPN on all wireless WAN connections
- Parallel 3G connections simultaneously operational
- Option for 802.11 b/g WiFi (integrated)
- GPS positioning of the vehicle
- Supports selecting the wireless WAN connection by location (depot)
- 802.11 b/g access point for in-vehicle WiFi
- In-vehicle 10/100Mbit Ethernet port for:
 - DVR systems
 - Passenger counter subsystem
 - Ticket or payment systems
 - Infotainment systems
 - Fleet management and remote diagnostics

SAFER AND MORE COMFORTABLE JOURNEY FOR PASSENGERS

A reliable broadband connection ensures that on-board systems are always online, which increases passenger safety. It also improves fleet management and provides a Web portal for the high-speed delivery of passenger information, downloads, and other rich content. Furthermore, passengers can enjoy a fast internet experience throughout their journey.

ADDITIONAL REVENUE FROM MORE EFFICIENT ADVERTISING

Goodmill w24e-T also offers a new, innovative, and controlled advertising medium unhindered by outside advertising. You can promote your own services and special offers to passengers using an on-board Web portal.

MORE SOPHISTICATED OPERATIVE SERVICES AVAILABLE

With Goodmill w24e-T, you can also implement more sophisticated operative services, such as location tracking, passenger counting, vehicle diagnostics, condition-based maintenance, and e-ticketing.

IMPROVED RADIO COVERAGE USING SEVERAL PARALLEL NETWORKS

Goodmill w24e-T enhances the radio coverage of moving vehicles by combining several commercial 3G networks into one highly reliable VPN networking system – and using the connections seamlessly and transparently.

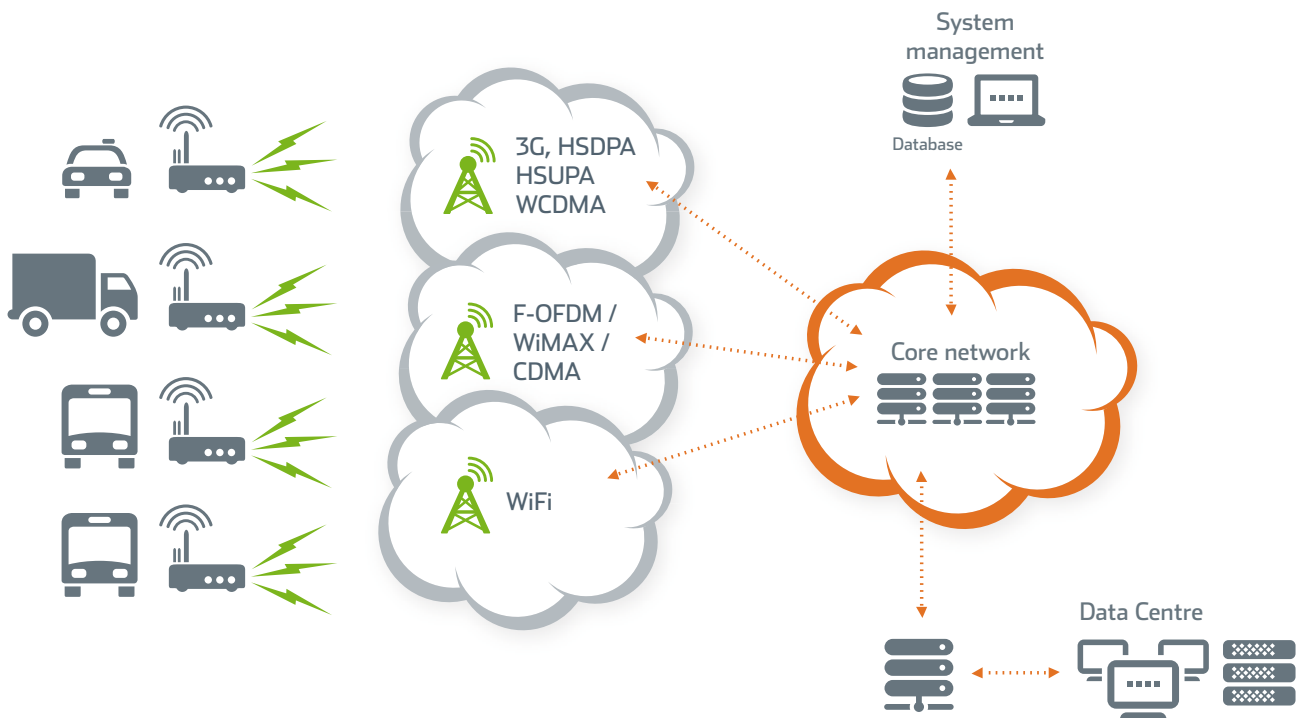
SEPARATED BANDWIDTH FOR OPERATIONAL SYSTEMS

Goodmill w24e-T guarantees the reliable use of operational systems and uninterrupted WiFi Internet access by utilizing dual independent 3G cellular networks. When both networks are available, onboard systems can use the second 3G; freeing one 3G uplink for WiFi access point customers.

EASY TO INSTALL, INTEGRATE, AND MAINTAIN

Thanks to our innovative technology, we have managed to hide the network complexity in a user-friendly package. Goodmill w24e-T is a plug-and-play system that is very easy to take into use. Remote management is possible through all WAN links. Furthermore, maintenance and updates are handled quickly and efficiently.

GOODMILL W24E-T FOR ROAD TRANSPORTATION APPLICATIONS



TECHNICAL SPECIFICATIONS

Power supply	10-30V DC	
Power Consumption	Max. 25W	
Temperature	0°C to +40°C operating -40°C to 70°C storage	
Compliance	IEC60950-1:2005 / EN60950-1:2006	
LAN interface	Options 10/100FE USB WLAN	Connector RJ-45 USB Type A SMA-F-RP
Selectable WAN interfaces	Options 2G/3G radio modem CDMA radio modem WLAN 10/100FE USB-connected devices	Connector SMA-F TNC-F SMA-F-RP RJ-45 USB Type A
WiFi Access point	802.11 b/g/(n)	
GPS	Functionality supported	
IP addressing	Fixed or dynamic with DHCP, NAT	
QoS functionality	Hierarchical Token Bucket algorithm applied separately for all priority-level connections Absolute bandwidth can be specified, classification by L2-L4 characteristics	
VPN functionality	Supported on all priority-level WAN links • IPSec from fixed IP address • IPSec from dynamic IP addresses	
Firewall	Independently working for all network Interfaces • Stateful inspection • SNAT, DNAT • Port forwarding	
Software download	Locally or remotely online Reversible (to previously stored version)	
Network Management	Remotely with Goodmill Management Protocol • HTTPS protocol for safety and security • Always runs on the active WAN connection Locally with a browser	
Size (H x W x L)	80 x 220 x 280 mm (3,1 x 8,7 x 11")	
Weight	<6 kg (<13,2 lbs)	

GOODMILL
Always online

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