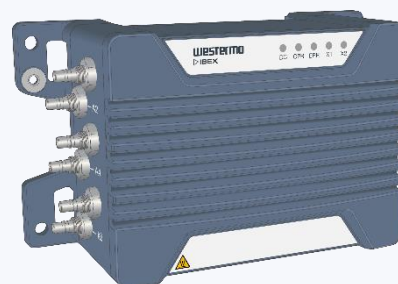
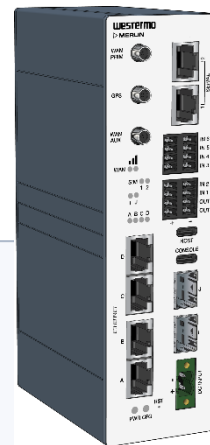
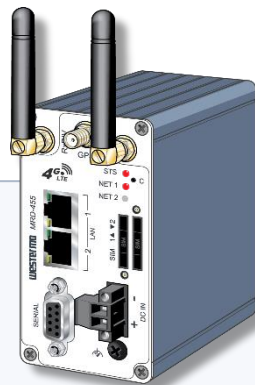


Westermo Academy

Cellular Routing & RF Principles

1 Day Training Course

- ⌘ Basic overview of device functions and configuration
 - Introduction to 4G routing and theory
 - Hands-on practical exercises with routers
- ⌘ RF Principles
 - Overview of UK cellular spectrum allocation
 - Behaviour of radio signals at different frequencies
 - Purpose of different antenna types
- ⌘ Suitable for following target groups
 - Beginners to experts
 - Maintenance Personnel
 - Installation Engineers



Learn with our experts and expand your knowledge about 4G routing with the Westermo Academy.

Increase efficiency in commissioning, maintenance and troubleshooting with appropriate technician expertise. Choose from this course or combine it with other courses to suit your specific requirements.

Optionally, customised trainings are offered to meet your special requirements using any of our cellular routers. In that case, a complete plan is developed which includes theory as well as practical exercises to implement what has been learned.

Course Information

Ordering Information

Art.no	Description
9996-0001	1 day training course

- Westermo will provide all equipment and SIM cards required for the course

Topics

Theory Elements

- Background of cellular technologies
- Frequency bands, spatial diversity & MIMO
- Aerial system & types of antenna
- Basics of signal strength evaluation (RSSI, RSRP & RSRQ)
- Connection management for automatic recovery
- Basic overview of product
- Five main installation steps (SIM card, Earthing, DC power, RS-232, Ethernet upload of config)
- Identifying successful internet connectivity
- Manual configuration of wireless & SIM card profile (if no config available)
- Basic troubleshooting (LED's and status log)
- VPN Tunnels
- Backup/Uploading configuration file into unit
- Upgrading firmware of unit

Practical Elements

- Configuring the router for network connection and internet access
- Interpreting signal level information
- Connection management setup
- Configuring IPSec VPN/WeConnect
- Configuring Serial over IP
- Backup/restoration of configuration