

## Italian Enterprise-Grade Optical Router 1G



### Overview

Cisco Enterprise Router Selector Explore our router selector to swiftly identify and migrate to the Cisco enterprise router that best fits your The 10 Best.

### Key Takeaways

Tenda G1 and RAD ETX-2i 1G are CE-certified enterprise-grade 1G routers suitable for Italy. Tenda G1 Enterprise Router

The Tenda G1 is a CE-certified enterprise wired router designed for small and medium-sized businesses in Italy . Key features include:

- 1 Gbps broadband support for HD video streaming, online gaming, and video conferencing
- High-performance dual-core processor with large memory for stable and fast networking
- Concurrent connections up to 49,000, recommended for 100-150 devices
- Multi-WAN support with 4 WAN ports for bandwidth overlay and traffic balancing
- Router and Controller modes: manage up to 128 APs in Router Mode and 256 APs in Controller Mode
- Security features: DoS/DDoS protection, IP/MAC binding, MAC filtering, URL filtering

- VPN support: IPsec, PPTP, L2TP
- CE-certified for compliance with European safety and electromagnetic standards  
This router is ideal for enterprise offices, smart homes, and multi-device environments requiring reliable 1G connectivity.

#### RAD ETX-2i 1G Carrier Ethernet Router

For carrier-grade or SLA-based services, the RAD ETX-2i 1G is a CE-compliant Ethernet demarcation device . Highlights include:

- 1G Ethernet (1GbE) connectivity for L2/L3 business services, wholesale networks, and mobile backhaul
- MEF 3.0 certification for assured service activation and SLA compliance
- Modular interfaces: FE/GbE, E1/T1, T3, VDSL2, SHDSL
- Integrated wire-speed switch/router for edge network demarcation
- Synchronization support: Sync-E, IEEE 1588v2 for frequency and phase alignment in mobile networks
- Environmentally hardened options for NEBS compliance This device is suitable for service providers or enterprises needing highly reliable, SLA-driven 1G optical routing.

#### MikroTik CCR Series (Optional High-Performance)

While primarily designed for high-throughput environments, MikroTik CCR2004-1G-12S+2XS and CCR2216-1G-12XS-2XQ routers also offer 1G Ethernet ports alongside multi-gigabit SFP/SFP+ connectivity . They are suitable for enterprises requiring advanced routing, BGP, and multi-tunnel performance, though they are more complex than Tenda G1 for small-to-medium deployments.

#### Recommendation

- For small to medium enterprises in Italy: Tenda G1 provides CE-certified, easy-to-manage 1G performance with robust security and multi-WAN support.
- For carrier-grade or SLA-focused deployments: RAD ETX-2i 1G offers MEF 3.0 compliance and modular interfaces for professional network demarcation.
- For high-performance, multi-gigabit routing: MikroTik CCR series can be considered if advanced routing and SFP/SFP+ flexibility are required. These options ensure compliance with European CE standards while delivering enterprise-grade 1G optical routing performance.

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