

Malta inquiry for a 400GB carrier-grade router



Overview

400 GB each month is more than enough for general browsing and 2-3 hours of video calls or streaming every day.

Key Takeaways

For 400GB carrier-grade routing in Malta, Juniper and Mikrotik offer high-performance solutions suitable for ISPs and enterprise networks. Juniper 400G Solutions

Juniper Networks provides a comprehensive 400G and 800G portfolio including PTX Series Packet Transport Routers, MX Series Universal Routing Platforms, ACX Series Metro Routers, and QFX Series Switches. These platforms are designed for high-density, high-capacity networks, supporting 400G cloud-scale port density, ZR/ZR+ pluggable coherent optics, and inline MACsec for secure, high-performance routing. They are optimized for WANs, data centers, and large-scale enterprise networks, offering modular and fixed chassis options to scale with network demands while maintaining reliability and efficiency .

Mikrotik Options in Malta

For local procurement, Mikrotik routers are available through Maltese ICT vendors like Accreda. Mikrotik offers carrier-grade routers such as the RB4011 series and RB1100AHx4, featuring:

- Quad-core Cortex A15 CPU and 1GB RAM

- Ten Gigabit ports with SFP+ 10Gbps interfaces
- IPsec hardware acceleration
- PoE output and compact rackmount enclosures
- Wireless and wired options for high-performance deployments Mikrotik products are widely used by ISPs and enterprises for building scalable network infrastructures and can be paired with SFP+ modules for 10Gbps connectivity over fiber .

Local Availability and Procurement

- Accreda Malta supplies Mikrotik hardware and can provide consultation for carrier-grade deployments .
- Juniper products can be sourced through authorized distributors or local ICT integrators in Malta. For enterprise-scale 400G deployments, contacting Juniper's regional sales team is recommended.
- For smaller-scale or hybrid solutions, Mikrotik routers can be deployed with fiber or 5G backhaul, compatible with Malta's high-speed internet infrastructure, which includes fiber coverage for 96% of households and multiple ISPs like Melita, Epic, and GO .

Recommendations

- Define network requirements: Determine throughput, port density, and redundancy needs.
- Choose between modular vs fixed chassis: Juniper PTX or MX series for large-scale WAN/data center; Mikrotik RB4011 or RB1100AHx4 for smaller carrier-grade setups.
- Check local support and warranty: Ensure vendor provides installation, configuration, and ongoing support in Malta.
- Consider future scalability: 400G solutions allow for growth to 800G or higher as traffic demands increase. By selecting either Juniper for high-capacity, enterprise-grade networks or Mikrotik for flexible, cost-effective carrier-grade deployments, you can implement a robust 400GB routing solution in Malta.

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