Export-grade 40G carrier router



Overview

Leveraging distributed hardware-based forwarding and non-blocking switching technologies, the NetEngine 40E series features line-rate forwarding capabilities, excellent scalability, and strong service processing capabilities. Autonomous Driving Network (ADN) resolves the TCO structure problems of telecom networks with system-level innovations. The NetEngine 40E series. Remove bandwidth bottlenecks in your network today that are caused by a large increase in video-on-demand (VoD), IPTV, point-to-point video, Internet video, and cloud services traffic with the Cisco ® ASR 9000 Series 40 and 56 Gigabit Ethernet Line Cards. This line card delivers industry-leading 40. As a modular router platform, NE40E integrates switching, routing, MPLS, and SDN capabilities into a compact chassis, positioning itself as the cornerstone of next-generation metro and edge networks. In this article, we explore how these Service-provider-Grade Routers deliver massive forwarding. CR19000 Router is carrier-grade high-end product. Designed to support high availability in aggregation and edge network deployments. Digi IX40 is a 5G edge computing industrial IoT router solution to empower rapid processing, analysis, and integration of industrial asset data on 5G public and private cellular networks — easy to deploy and centrally managed via Digi Remote Manager® (Digi RM), which is included in your Digi 360.

© 2026 EXF OPTICAL NETWORKS - All rights reserved

Article Content

Cisco ASR 9000 Series 40 and 56 Gigabit Ethernet Line Cards Data

The Cisco ASR 9000 Series line cards and routers are designed to provide the fundamental infrastructure for scalable Carrier Ethernet and IP/MPLS networks, allowing profitable

Huawei Routers: NE40E-X3A vs NE40E-X8A Service

The Huawei NE40E Routers, especially the NE40E-X3A and X8A, redefine carrier-grade performance with up to 51.2 Tbps switching, deep

Carrier-grade Flag Products-H3C

It represents a new generation of core routers designed for carrier-grade applications and is utilized in carrier IPBB, MAN core, DCI backbone, and other key locations.

TJ1400 Aggregation & Edge Router | Carrier-Grade IP-MPLS

Designed to support high availability in aggregation and edge network deployments, the TJ1400 series leverages a modular architecture with hot swappable modules and built in redundancy, making it well

Digi IX40 5G Edge Computing Industrial IoT Solution

With its all-in-one design, strong computing power and integrated memory, Digi IX40 offers substantial capabilities for real-time data processing, edge computing and

Carrier-Grade NAT Solutions Data Sheet

Fortinet Carrier Grade NAT (CG-NAT) solutions offer a broad, scalable, and flexible set of tools, consumption models, and form factors to empower service providers to connect IPv4 and IPv6

Carrier Routing System

Carrier Routing System (CRS) is a modular and distributed core router developed by Cisco Systems Inc that enables service providers to deliver data, voice, and video services over a scalable IP Next

10G or 40G Home Network?! A Guide to Insane Ethernet Speeds

Thankfully the price of 10 Gbps network components is now within reach. 40 Gbps are still a bit pricier, but I''ll give you some tips on achieving those speeds on a lower budget. Keep in

Carrier-Grade Infrastructure Solution Brief: Deploying Bulk Network

© 2026 EXF OPTICAL NETWORKS - All rights reserved

CARRIER-GRADE INFRASTRUCTURE SOLUTION BRIEF: DEPLOYING BULK NETWORK ROUTERS EXECUTIVE SUMMARY ApexTel™ Bulk Network Router Series (BNR9000) represents a paradigm ...

Digi IX20 Industrial 4G LTE Router

The high-performance architecture of the Digi IX20 router provides automatic and software-selectable primary and backup WWAN connectivity over multi-carrier

Cisco Carrier Grade Services Engine Module Data Sheet

The Cisco ® Carrier-Grade Services Engine (CGSE) for the Cisco Carrier Routing System (CRS) is an ideal platform for these services. The Cisco

Industrial 5G Cellular Router | High-Speed 5G NR

COME-STAR industrial 5G routers provide high-speed, reliable 5G connectivity for industrial, mobile, and outdoor applications. Featuring dual SIM failover, global

Anewtech Systems Industrial Router Digi IX40

Digi IX40 is 5G edge computing industrial IoT router solution, integrated with Digi Remote Manager (Digi RM) to empower rapid processing, analysis, and

How to Choose a 5G/4G LTE CPE Router for Carrier

Discover how to choose a carrier-grade 5G or 4G LTE CPE router for FWA deployments. Learn key features like TR-069, dual SIM, antenna design,

Digi IX40: 5G Edge Computing Router for Industry 4.0

Introducing the new Digi IX40 – a 5G edge-computing industrial router built for real-time data processing in smart manufacturing, utilities and IoT

Ethernity Networks Integrates 40G Carrier Ethernet Solution and Next ...

Ethernity Networks Integrates 40G Carrier Ethernet Solution and Next Generation G.fast into DPU With 10G Channelized Ethernet Interfaces OEM Customer Platform with ENET4840z 40G

4G Industrial Router

Introduction F-R100 is an intelligent cellular router designed for industrial applications requiring faultless connectivity. It provides a secure, reliable, real-time, remote connectivity for SCADA, distribution

Virtualized Carrier-Grade Network Address Translation Router

© 2026 EXF OPTICAL NETWORKS - All rights reserved

Virtualized Carrier-Grade Network Address Translation Router (vCGNAT) The adoption of Service Defined Networks drives the need for virtualized network functions to provide flexible and scalable

Contact Us

Continue your research online:

Website: https://explosivefunctions.co.za
Technical inquiry: https://explosivefunctions.co.za/contact.html
EU project coordination: Parque das Nações, Lisbon, Portugal

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 EXF OPTICAL NETWORKS - All rights reserved