

Converting an industrial switch to a software router



Overview

By converting RS-485/RTU communication into TCP/IP packets, it allows sensors, meters, and PLCs to connect directly with SCADA, BMS, or cloud applications. This is the simplest and most cost-effective way to overcome the gap between traditional automation systems and today's IoT. I need to move from switch to router code on a stack of ICX 7550s. Current software is 8095g and that won't be changing just moving to the router code version. Industry-leading networking, purpose-built for operational technology (OT) Learn how the power of Cisco networking. We offer a complete portfolio of Ethernet switches, cellular routers, gateways, wireless access points/clients, and media converters built for demanding operating conditions. Advantech's 5G and 4G/LTE ruggedized cellular routers offer software functions including virtual private network (VPN). Industrial switches are primarily used to facilitate data exchange and communication between devices within a Local Area Network (LAN), featuring high speed, reliability, and ease of management.

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I would advise doing the upgrade via physical console as you will likely lose IP connectivity as you switch to router code. Other than that, most things function exactly the same.



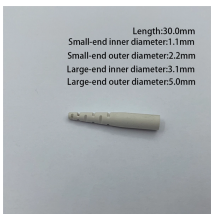
The AN-X4-AB-DHRIO Gateway is designed to help customers initiate a phased migration approach to replacing or upgrading legacy PLC's, HMI's, Drives, or Flex I/O adapters. These ...



Our solutions include industrial Ethernet switches, PoE switches, wireless APs, serial-to-Ethernet converters, 4G/5G routers, etc., all engineered for mission-critical performance.



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Length:30.0mm
Small-end inner diameter:1.1mm
Small-end outer diameter:2.2mm
Large-end inner diameter:3.1mm
Large-end outer diameter:5.0mm

RUGGEDCOM offers Ethernet Layer 2 rack and compact switches, Layer 3 routers and multi-service platforms, media converters, serial device servers, software, power supplies and industrial platforms ...



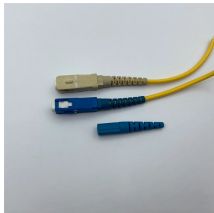
Advantech provides complete industrial communication products from industrial switches, fiber and PoE media converters, to industrial gateways, 5G, LTE and LAN cellular routers.



The combination of industrial switches and routers is crucial for building stable and efficient IIoT networks. Through thorough needs analysis, appropriate selection and deployment, and optimized ...



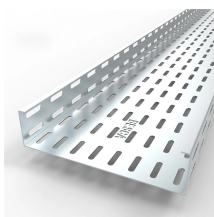
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Our fieldbus-to-Ethernet MGate gateways do more than just link serial devices to Ethernet networks—they also facilitate multiple connections and protocol conversions, helping you handle large ...



Cellular 4G router for industrial IoT applications, supporting serial interfaces RS232 and RS485, MQTT, BACnet, I/Os, Ethernet, and more. This cellular router is equipped with GNSS and failsafe features ...



Build a secure industrial IoT network foundation with market-leading Cisco industrial switches, industrial routers, industrial wireless, and industrial compute.

Contact Us

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