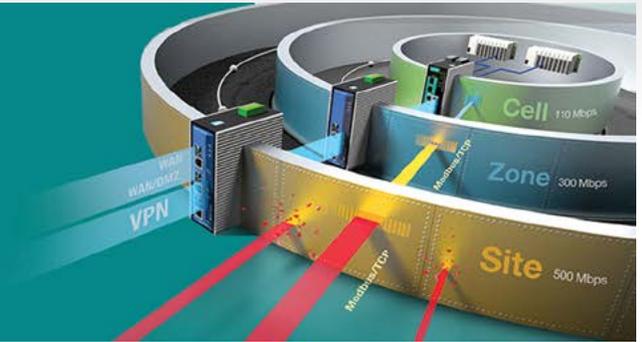


MOXA » Routers

Gigabit Cyber Security Throughout Automation Networks



Redundant (2) dual WAN (Wide Area Network) Gigabit Ports

RSTP/Turbo Ring provides high speed network redundancy - VRRP routing redundancy “**WAN Routing Quick Setting**” provides an easy way for users to set up WAN & LAN ports to create a routing function in 4 steps.

“**Quick Automation Profile**” gives engineers a simple way to configure the firewall filtering function with general automation protocols, including EtherNet/IP, Modbus TCP, EtherCAT, and PROFINET.

Protect critical assets by stateful firewall

A stateful firewall (any firewall that performs stateful packet inspection (SPI) or stateful inspection) is a firewall that keeps track of the state of network connections (such as TCP streams, UDP communication) traveling across it. The firewall is programmed to distinguish legitimate packets for different types of connections. Only packets matching a known active connection will be allowed by the firewall; others will be rejected. Stateful inspection is also referred to as dynamic packet filtering.

Firewall policies control network traffic between different trust zones Check firewall settings with Intelligent Setting Check feature - Local storage, syslog, and SNMP trap

Electronic Security Perimeter for the protection of critical cyber assets - such as pumping/treatment systems in water stations, DCS systems in oil and gas applications, and PLC/SCADA systems.

Inspect Industrial Protocol with PacketGuard Technology Deep Packet Inspection helps filtering Modbus TCP commands at OSI layer 7

Secure remote access tunnel with VPN

EDR-810-VPN-2GSFP - 10 tunnels Max

EDR-G902 - 50 tunnels Max

EDR-G903 - 100 tunnels Max

Provides users with **Secure Communication Tunnels** when accessing a private network from the public Internet. Uses IP Sec (IP Security) server or client mode for encryption and authentication of all IP packets at the network layer to ensure confidentiality and sender authentication - VPN: IPSec (client/server), L2TP (server), PPTP (client)

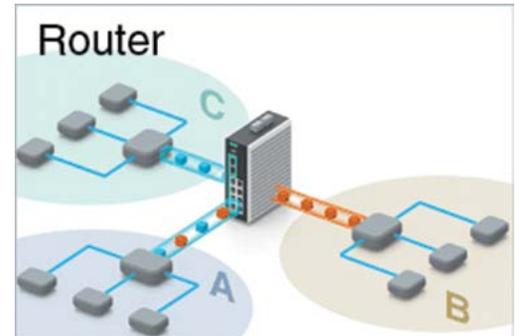
Setup network easily by network address translation (NAT)

(NAT) shields the internal LAN from unauthorized activity from outside hosts N-to-1, 1-to-1, bidirectional 1-to-1, and port forwarding

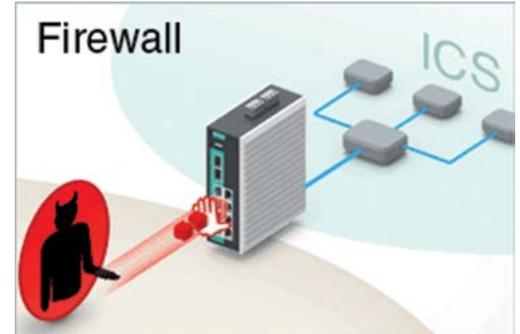
8 Port Switch (EDR-810 only)

Managed Layer 2 Switch Functionality

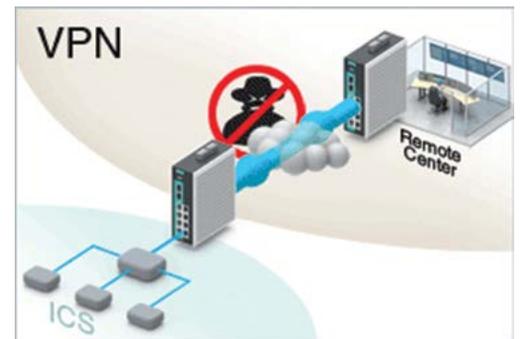
Up to 16 VLANs (Virtual Local Area Network), 256 IGMP Groups



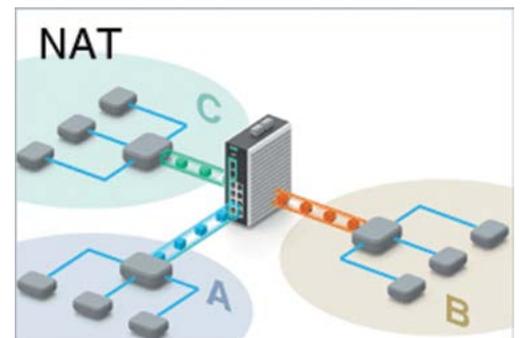
ROUTING UNICAST OR MULTICAST TRAFFIC AMONG SUBNETS



FILTERING UNAUTHORIZED TRAFFIC



PROVIDING ENCRYPTED NETWORK TUNNEL



REMAPPING ONE IP ADDRESS INTO ANOTHER