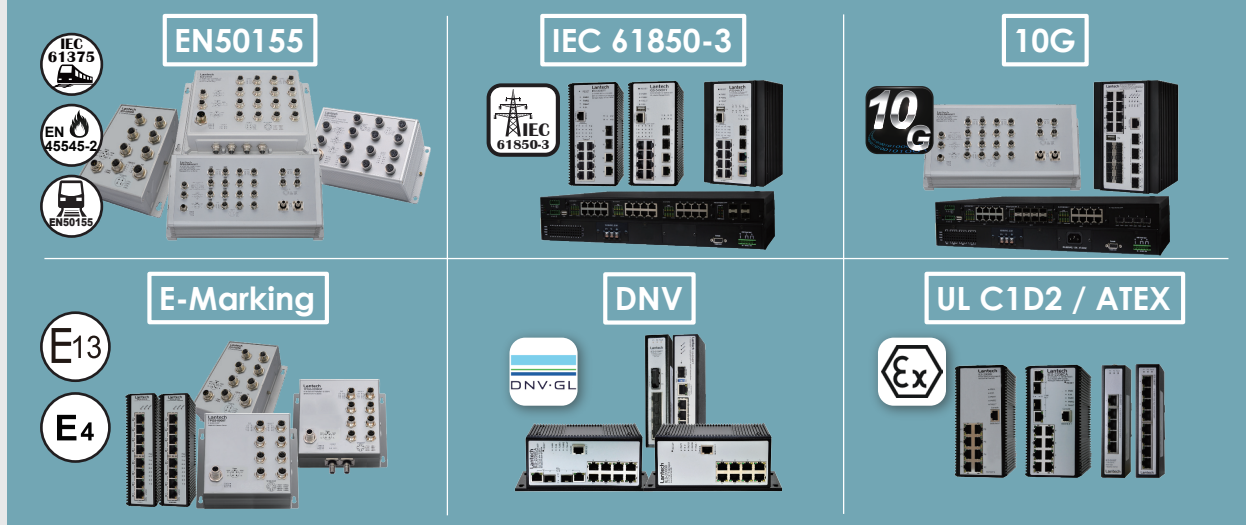


Industrial Ethernet Switches



Industrial Ethernet Switches - Feature Highlights

10G Complete 10/100TX, Full Giga and 10G product solutions

12V booster 48V Complete PoE product line-ups. The PoE booster from 12-48VDC design is able to comply wide applications.

Industrial Ethernet Switches - Complete OS Platforms

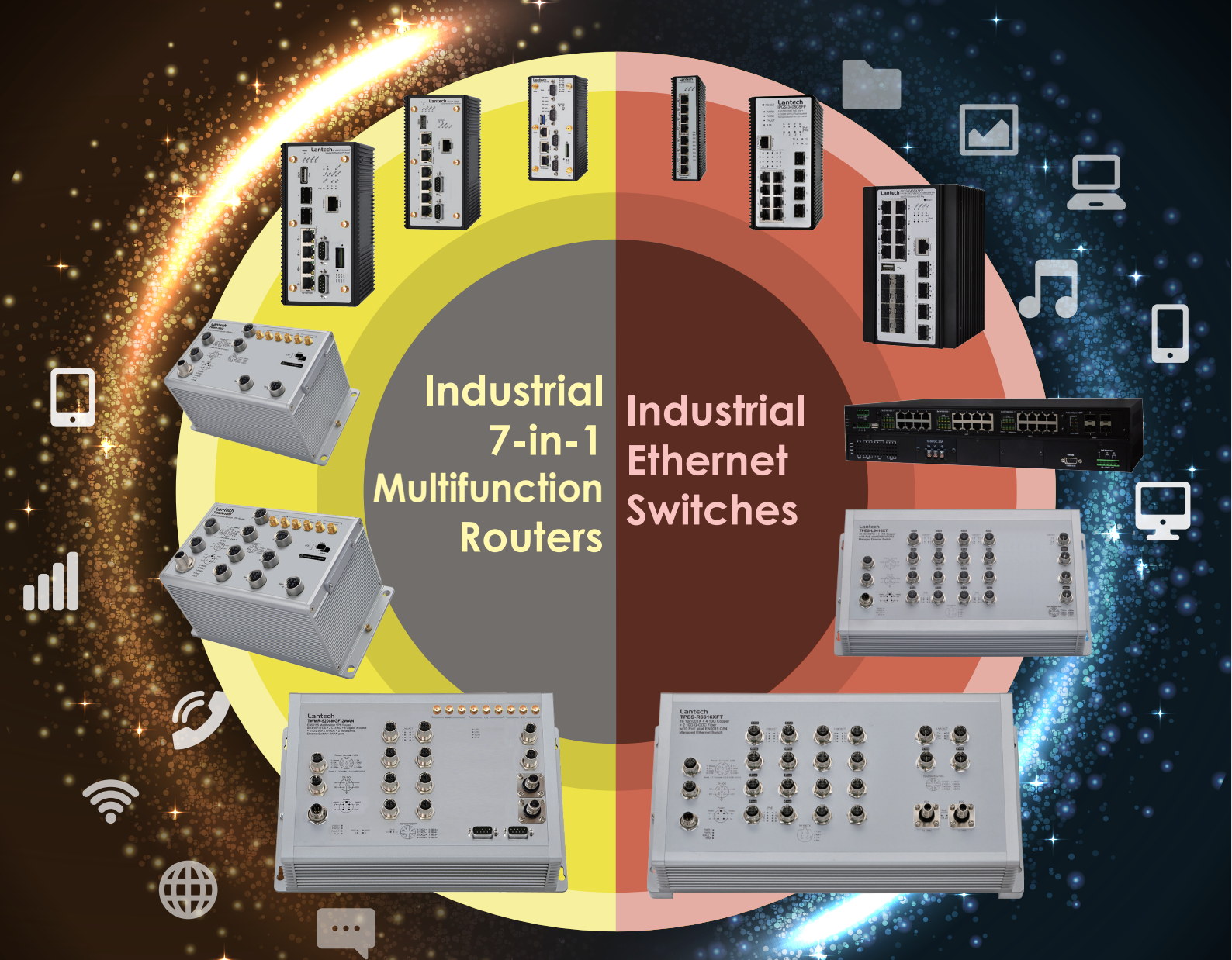
Layer 3 Complete management levels. L2+. L3 Lite**. L3*

OS1 Platform	OS2 Platform	OS3 Platform	OS4 Platform
L2+	L2+ Dual image	L2+ Dual image	L2+ Dual image
		L3L**	L3L**
		L3**	L3**
		TBN**	TBN**
		ECN	ECN
			Hardware-NAT**

* Future release
** Optional
***Spec may vary by model

L2+ Functions Comparison		NEW!	NEW!	NEW!	
L2 function comparison		OS1	OS2	OS3	OS4
Management	SNMP v1 v2c v3 Web browser Telnet SSH SNTP LLDP CDP Topology View Environment Monitoring STP RSTP MSTP Loop Protection	•	•	•	•
Reliability	Proprietary redundant protocol MRP Dual Homing G.8032 standard MAC filter IP Security(What IP can access switch) Login Security (RADIUS) SSL Login Security (TACACS+) ACL IEEE 802.1X IP Source Guard ARP Inspection BPDU Guard Remote admin (limitation of accessing way) Port Based VLAN Tagged VLAN	•	•	•	•
Security	GVRP QinQ Protocol Based Subnet Based IGMP Snooping MLD Snooping IGMP router port Static Multicast forwarding GMP Rate Limiting Link aggregation Port based QoS VLAN based QoS CoS/DSCP	•	•	•	•
VLAN	Small-frame arrival rate Protocol storm protection Port Monitoring IP v6 version IP v4 version Port Based DHCP MAC based DHCP Option82 DHCP Relay Option 124/265 DHCP Snooping PXE application Alive Detecting PoE Scheduling SysLog client&server	•	•	•	•
Multicast	Email SNMP Trap Relay Digital Input/Output Triggered by event of environment Triggered by event of SFP DDM Ping ARP DDM information Firmware upgrading Configuration file import/export Auto Provision Dual Image	•	•	•	•
Traffic control					
DHCP					
Port					
Event/Status					
Management					

Lantech™ 2019 Communication Solution Routers & Switches



are designed for

- Train/Vehicle
- Traffic/Road Control
- Smart City
- Industrial Automation
- Process Control

Lantech™
Pioneering Industrial and IP Networks

Lantech Communications Global, Inc.
7F, No.33, Sec.1, Tiding Blvd.,
Neihu Dist., Taipei City 11494, Taiwan
Tel: +886-2-2790-2589
Fax: +886-2-2790-2516

www.lantechcom.tw info@lantechcom.tw



Multifunction Routers Line-ups

4G LTE + Wi-Fi Multifunction Routers

T(P)WMR-5208MGF EN50155 Multifunction VPN Router w/1 WiFi 11ac + 1 LTE 4G + 2 serial ports + 8 GigaT + 2 1G/2.5G Fiber	T(P)WMR-5008 EN50155 Multifunction VPN Router w/1 WiFi 11ac + 1 LTE 4G + 8 GigaT Ethernet	T(P)WMR-5006 EN50155 Multifunction VPN Router w/1 WiFi 11ac + 1 LTE 4G + 2 serial ports + 6 GigaT	T(P)WMR-5004 EN50155 Multifunction VPN Router w/1 WiFi 11ac + 1 LTE 4G + 2 serial ports + 2WAN/2LAN	TWMR-5002 EN50155 Multifunction VPN Router w/1 WiFi 11ac + 1 LTE 4G + 2 serial ports + 2 GigaT (incl.1 PD)
I(P)WMR-3204DF Industrial Multifunction VPN Router w/up to 2 WiFi 11ac + up to 2 LTE 4G + 2 serial ports + 4 GigaT + 2 Dual Speed SFP	I(P)WMR-3006 Industrial Multifunction VPN Router w/up to 2 WiFi 11ac + up to 2 LTE 4G + 2 serial ports + 6 GigaT	I(P)WMR-3004 Industrial Multifunction VPN Router w/up to 2 WiFi 11ac + up to 2 LTE 4G + 2 serial ports + 4 GigaT + 2WAN/2LAN	IWMR-3002 Industrial Multifunction VPN Router w/up to 2 WiFi 11ac + up to 2 LTE 4G + 2/4 serial ports + 2 GigaT	

4G LTE Multifunction Routers

T(P)MR-5208MGF EN50155 Multifunction VPN Router w/2 LTE 4G + 2 serial ports + 8 GigaT + 2 1G/2.5G Fiber	(P)MR-5008 EN50155 Multifunction VPN Router w/2 LTE 4G + 8 GigaT	T(P)MR-5006 EN50155 Multifunction VPN Router w/2 LTE 4G + 2 serial ports + 6 GigaT	T(P)MR-5004 EN50155 Multifunction VPN Router w/2 LTE 4G + 2 serial ports + 4 GigaT + 2WAN/2LAN	TMR-5002 EN50155 Multifunction VPN Router w/2 LTE 4G + 2 serial ports + 2 GigaT
I(P)MR-3204DF Industrial Multifunction VPN Router w/2 LTE 4G + 2 serial ports + 4 GigaT + 2 Dual Speed SFP	I(P)MR-3006 Industrial Multifunction VPN Router w/2 LTE 4G + 2 serial ports + 6 GigaT	I(P)MR-3004 Industrial Multifunction VPN Router w/2 LTE 4G + 2 serial ports + 4 GigaT + 2WAN/2LAN	IMR-3002 Industrial Multifunction VPN Router w/2 LTE 4G + 2/4 serial ports + 2 GigaT	

Wi-Fi Multifunction Routers

T(P)WAP-5208MGF EN50155 Multifunction VPN Router w/2 WiFi 11ac + 2 serial ports + 8 GigaT + 2 1G/2.5G Fiber	T(P)WAP-5008 EN50155 Multifunction VPN Router w/2 WiFi 11ac + 8 GigaT Ethernet	T(P)WAP-5006 EN50155 Multifunction VPN Router w/2 WiFi 11ac + 2 serial ports + 6 GigaT	T(P)GR-5010TA-2WAN EN50155 L2+ Managed Ethernet Router
T(P)WAP-5004 EN50155 Multifunction VPN Router w/2 WiFi 11ac + 2 serial ports + 4 GigaT + 2WAN/2LAN	TWAP-5002 EN50155 Multifunction VPN Router w/2 WiFi 11ac + 2 serial ports + 2 GigaT (incl.1 PD)	I(P)WAP-3204DF Industrial Multifunction VPN Router w/2 WiFi 11ac + 2 serial ports + 4 GigaT + 2 Dual Speed SFP	T(P)ER-5208TA-2WAN EN50155 L2+ Managed Ethernet Router
I(P)WAP-3006 Industrial Multifunction VPN Router w/2 WiFi 11ac + 2 serial ports + 6 GigaT	I(P)WAP-3004 Industrial Multifunction VPN Router w/2 WiFi 11ac + 2 serial ports + 4 GigaT + 2WAN/2LAN	IWAP-3002 Industrial Multifunction VPN Router w/2 WiFi 11ac + 2/4 serial ports + 2 GigaT	

Industrial Multifunction Routers

★ 7-in-1 Multifunction



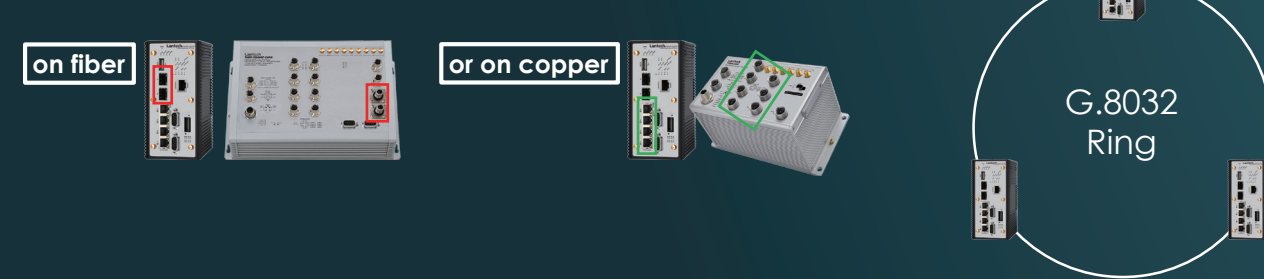
★ Highly Redundancy



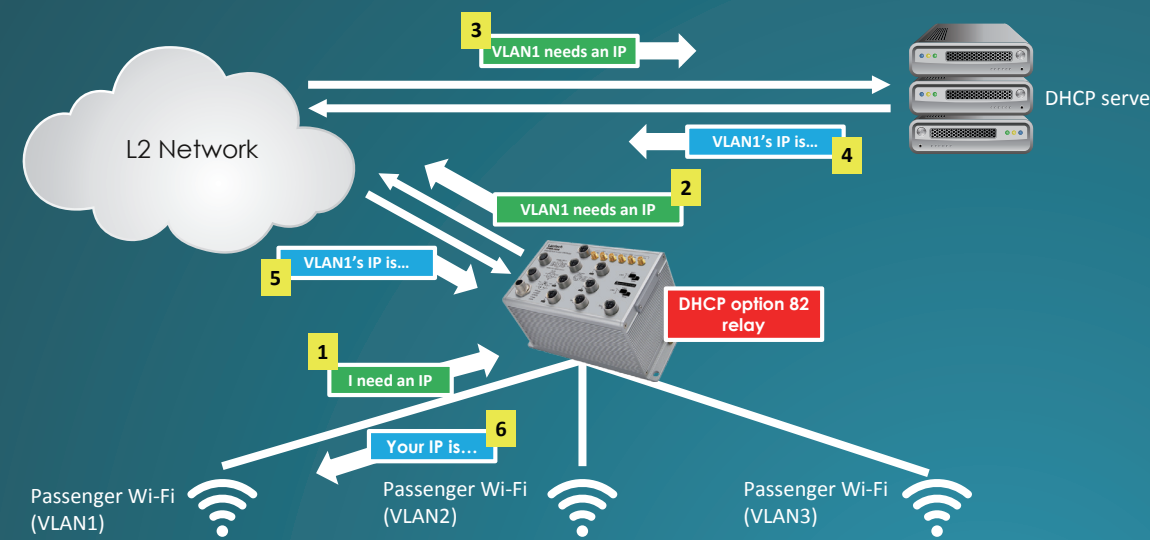
★ SIM Redundancy



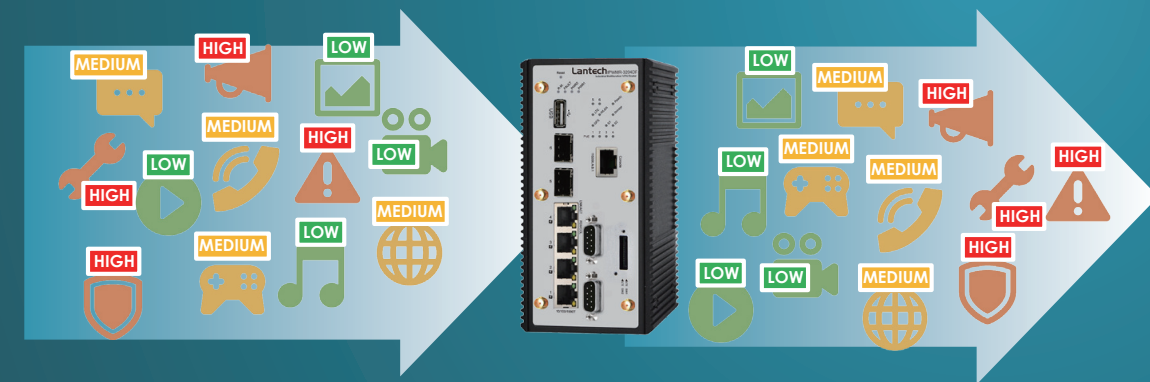
★ LAN Ethernet Ring Redundancy



★ Work as DHCP option 82 relay



★ QoS on WAN to filter user big streaming to occupy the big bandwidth w/High, Medium, and Low priority



★ Full VPN support

- Multi-site VPN
- OpenVPN
- L2TP
- IPSec
- L2 over GRE

★ Double isolation design to minimize the risk of surge, EFT at input, PoE and serial ports

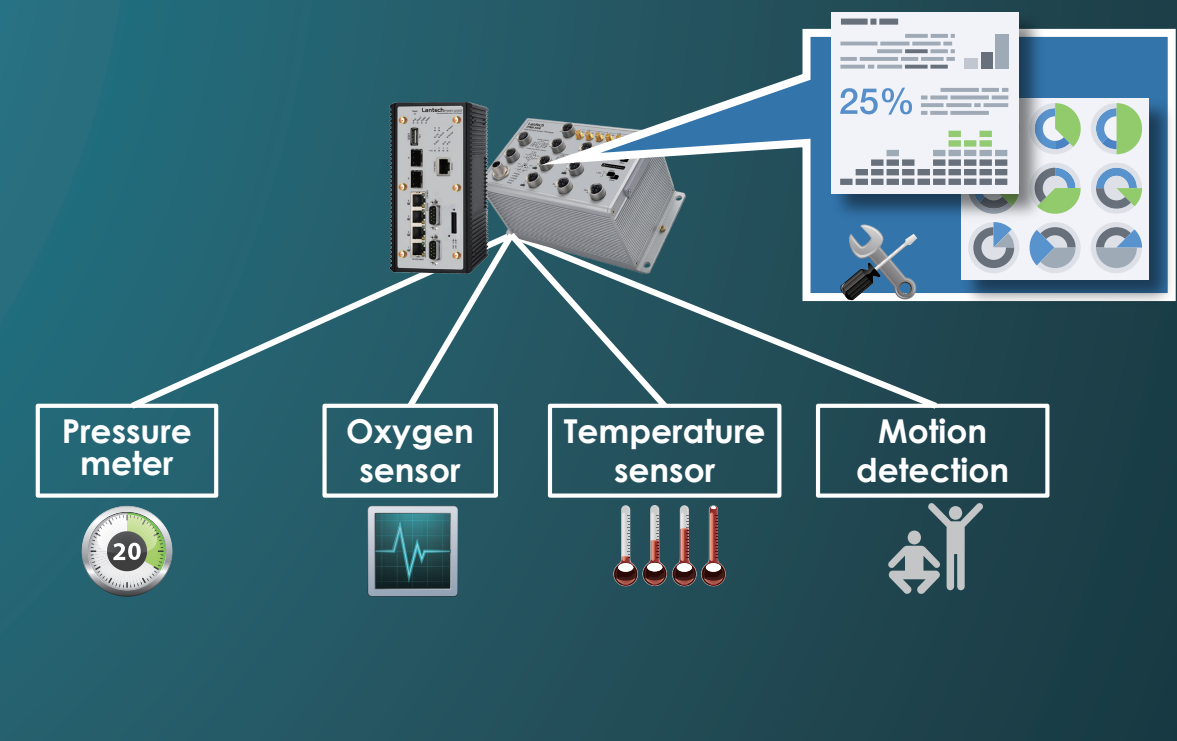


★ Ignition sensing on 3000 series to extend the operation time when engine is off



★ DI/DO &/ serial ports to connect sensors &/ control devices

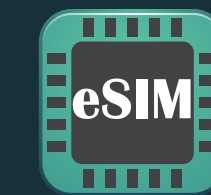
★ Customized controller software integrated with router



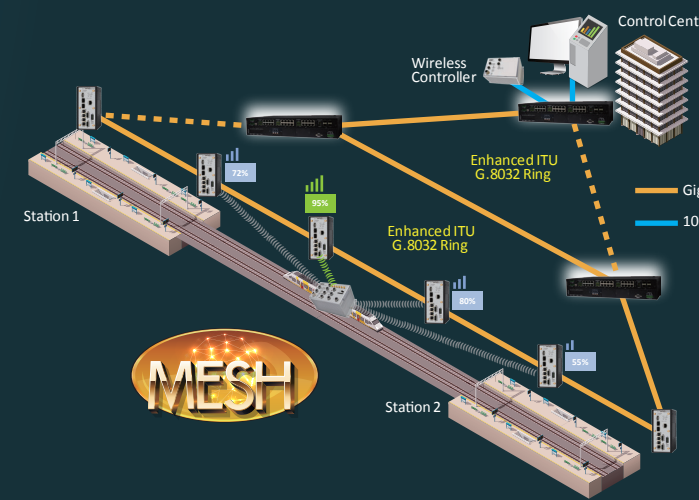
★ Optional EMMC storage inside router



★ Optional eSIM (only 5008 series)



★ Support OpenMesh 802.11s



★ Load balancing on WAN ports

Fixed
Manually route by traffic type through fixed WAN link.

Priority
Routes connections through preferred WAN link while others stand-by. Sequentially activating other links if overflow occurs.

Fail Over
Routes connections through preferred WAN link while others stand-by. Sequentially activating another link if preferred link fails.

Weighted Round-Robin
Even distribution of the traffic over all working WAN links in circular order according to the specified weights.

Custom Route
Routing through the selected WAN links for each specific traffic, ex: TCP/UDP port number and IP address.

Fastest
Routes connections through the WAN link with lowest latency time.

Smallest Load
Routes connections through the WAN link with highest free bandwidth ratio*. The traffic load could be by downstream, upstream or total traffic.

Sticky Session
Bind all connections in an application session to particular WAN link. This ensures that all connections in the session are routed to the same WAN link. This is suitable for security services like online payment etc.

BASIC PACKAGE
Single WAN output

FULL PACKAGE
Concurrent multi-WAN output