

Vehicle Multi-function 4G LTE + Wi-Fi Routers



- 802.11r Fast Roaming**
- Optional EMMC Flash Storage**
- eSIM Chip Built-in
- Ignition Sensing
- Serial Ports: Modbus Gateway
- Managed Switch Built-in
- Load Balancing** with 8 Mechanisms
- Dual Concurrent LTE Design 4G/3G
- Galvanic Isolation, Wide Input Voltage
- Advanced security & 16 SSIDs
- Multisite VPN, OpenVPN and Firewall
- IEEE 802.11ac Dual Band Operation
- USB Port for Configuration



4G LTE + Wi-Fi Multifunction Routers				
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 WAN	I(P)WMR-3004DF Industrial Multifunction VPN Router w/up to 2 WiFi 11ac + up to 2 LTE 4G + 2 serial ports + 4 GigaT + 2 Dual Speed SFP WAN	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	IWMR-3003(-M12) Industrial Multifunction VPN Router w/up to 2 WiFi 11ac + up to 2 LTE 4G + 2 serial ports + 3 GigaT
4G LTE Multifunction Routers				
I(P)MR-3204DF Industrial Multifunction VPN Router w/2 LTE 4G + 2 serial ports + 4 GigaT + 2 Dual Speed SFP WAN	I(P)MR-3004DF Industrial Multifunction VPN Router w/2 LTE 4G + 2 serial ports + 4 GigaT + 2 Dual Speed SFP WAN	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	IMR-3003(-M12) Industrial Multifunction VPN Router w/2 LTE 4G + 2/4 serial ports + 3 GigaT
Wi-Fi Multifunction Routers				
I(P)WAP-3204DF Industrial Multifunction VPN Router w/2 WiFi 11ac + 2 serial ports + 4 GigaT + 2 Dual Speed SFP WAN	I(P)WAP-3004DF Industrial Multifunction VPN Router w/2 WiFi 11ac + 2 serial ports + 4 GigaT + 2 Dual Speed SFP WAN	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	IWAP-3003(-M12) Industrial Multifunction VPN Router w/2 WiFi 11ac + 2/4 serial ports + 3 GigaT

1) M12 model does not support serial ports.
 2) Model name (P) = PoE model
 3) In a continuing effort to improve and advance technology, product specifications are subject to change without notice.

Lantech Communication Solution for Intelligent Transportation System



What we provide...

Vehicle Ethernet Switches

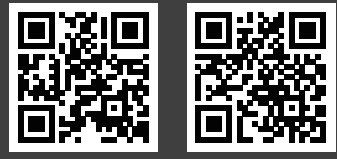
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E-marking Certificates

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Vehicle Multi-function 4G LTE + Wi-Fi Routers

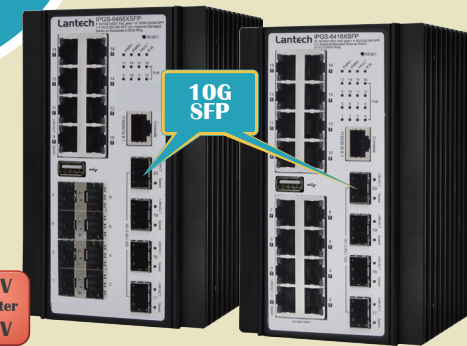


*Industrial-grade products

Vehicle Ethernet Switches

- Up to 4 x 10G Uplinks Fiber or Copper*
- USB Port for Backup and Configuration
- Built-in Power Converter (12/24VDC input)
- Feed 30W Power – 802.3at (PoE models)
- Optional L3/L3 lite Capacity (OS3 Platform)
- PoE Detection and Scheduling (PoE models)
- Configurable Power Budget (PoE models)
- Environmental Monitoring
- Fan-less design
- Wide Operation temperature: -40~75°C/-40~167°F

12V booster 48V
24V booster 48V

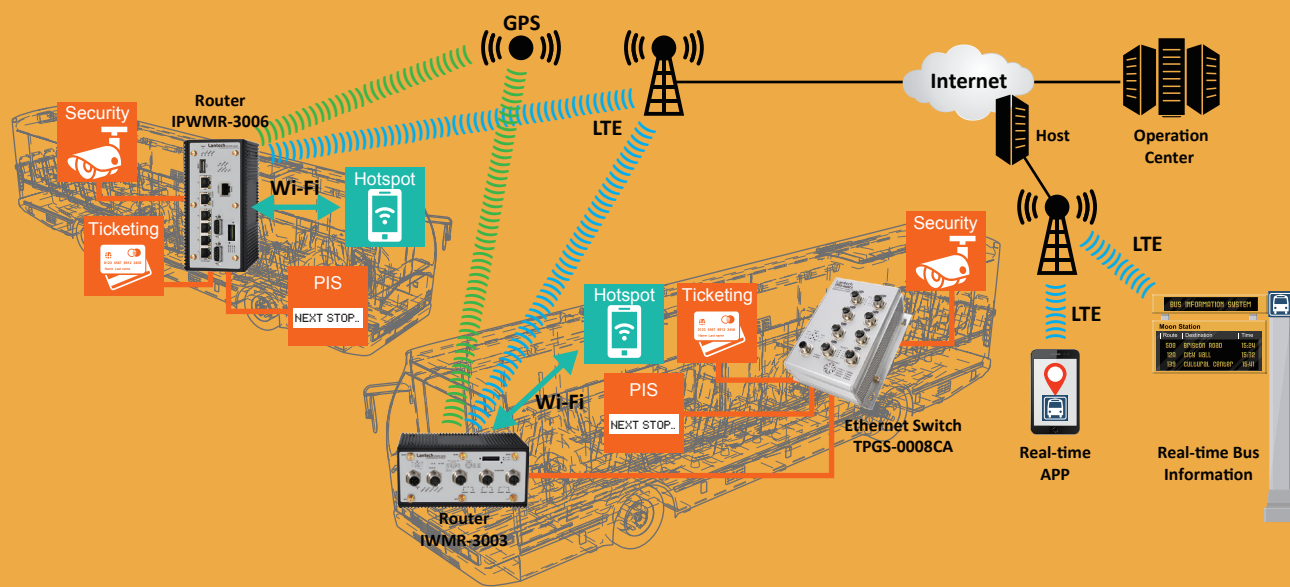


*10G copper SFP: only used from 18V-57VDC power input, maximum two ports



Utilize and optimize traffic systems, with Lantech routers & switches

As one of the most important infrastructures of our daily lives, to utilize and optimize traffic system is always a top priority to every government. Fortunately, safer, more efficient and green transportation is able to achieve this via intelligent transportation systems (ITS). It is able to transmit real-time road conditions and react to any unexpected incidents immediately. As an ITxPT member and a key supplier to the mass/public transportation industry, Lantech delivers the best industrial networking communication devices for ITS solutions, from rugged hardware to powerful yet intuitive software functions.



Learn more



Ethernet Switch with 12V/24V Power Input

<p>I(P)GS-6416XSFP 16 10/100/1000T (PoE at/af) + 4 1G/2.5G/10G SFP+ Industrial Managed Ethernet Switch</p> <p>4 10G 16 GT 16 PoE USB</p>	<p>I(P)GS-6488XSFP 8 10/100/1000T (PoE) + 8 100M/1G SFP + 4 1G/2.5G/10G SFP+ Industrial Managed Ethernet Switch</p> <p>4 10G 8 GT 8 SFP 8 PoE USB</p>	<p>I(P)GS-L6408XSFP 8 10/100/1000T (PoE) + 4 1G/2.5G/10G SFP+ Industrial Managed Ethernet Switch</p> <p>4 10G 8 GT 8 PoE USB</p>	<p>I(P)GS-5416MGSFP 16 10/100/1000T (PoE at/af) + 4 1G/2.5G SFP L2+ Industrial Managed Ethernet Switch</p> <p>4 SFP 16 GT 16 PoE USB</p>	<p>I(P)GS-5488MGSFP 8 10/100/1000T (PoE) + 8 100M/1G SFP + 4 1G/2.5G SFP L2+ Industrial Managed Ethernet Switch</p> <p>12 SFP 8 GT 8 PoE USB</p>
<p>I(P)GS-L5408MGSFP 8 10/100/1000T (PoE) + 4 1G/2.5G SFP L2+ Industrial Managed Ethernet Switch</p> <p>4 SFP 8 GT 8 PoE USB</p>	<p>I(P)GS-5408DFT 8 10/100/1000T (PoE) + 2 Dual Speed SFP + 2 10/100/1000T L2+ Industrial Managed Ethernet Switch</p> <p>2 SFP 10 GT 8 PoE USB</p>	<p>I(P)GS-5408GSFP 8 10/100/1000T (PoE) + 4 1000M SFP L2+ Industrial Managed Ethernet Switch</p> <p>4 SFP 8 GT 8 PoE USB</p>	<p>I(P)GS-3408GSFP 8 10/100/1000T (PoE) + 4 1000M SFP L2+ Industrial Managed Ethernet Switch</p> <p>4 SFP 8 GT 8 PoE</p>	<p>I(P)ES-3408GSFP 8 10/100TX (PoE) + 4 1000M SFP L2+ Industrial Managed Ethernet Switch</p> <p>4 SFP 8 TX 8 PoE</p>

Ethernet Switches with 12V/24V Power Input & E-marking / ITxPT compliant

<p>T(P)ES-0216T 16 10/100TX (PoE at) + 2 10/100/1000T EN50155 Unmanaged Switch</p> <p>2 GT 16 TX 16 PoE</p>	<p>T(P)ES-0212T 12 10/100TX (PoE at) + 2 10/100/1000T EN50155 Unmanaged Switch</p> <p>2 GT 12 TX 12 PoE</p>	<p>T(P)ES-0016T 16 10/100TX (PoE at) EN50155 Unmanaged Switch</p> <p>16 TX 16 PoE</p>	<p>T(P)GS-0008CA 8 10/100/1000T (PoE at) EN50155 Unmanaged Switch</p> <p>8 GT 8 PoE</p>	<p>T(P)ES-0008CA 8 10/100TX (PoE at) EN50155 Unmanaged Switch</p> <p>8 TX 8 PoE</p>	<p>I(P)ES-5408T-X-IGN 8 10/100TX (PoE at) + 4 10/100/1000T L2+ Managed Switch</p> <p>4 GT 8 TX 8 PoE</p>
<p>I(P)ES-5408T-D-IGN 12 10/100TX (w/8 PoE at) L2+ Managed Switch</p> <p>12 TX 8 PoE</p>	<p>I(P)ES-0208GF 8 10/100TX (PoE at/af) + 2 1000FX EN50155 Unmanaged Switch</p> <p>2 TX 8 TX 8 PoE</p>	<p>I(P)ES-0208T 8 10/100TX (PoE at/af) + 2 10/100/1000T EN50155 Unmanaged Switch</p> <p>2 GT 8 TX 8 PoE</p>	<p>I(P)ES-0008A 8 10/100TX (PoE at/af) EN50155 Unmanaged Switch</p> <p>8 TX 8 PoE</p>	<p>I(P)ES-0008B 8 10/100TX (PoE at/af) EN50155 Unmanaged Switch</p> <p>8 TX 8 PoE</p>	<p>I(P)ES-0005B 5 10/100TX (PoE at/af) EN50155 Unmanaged Switch</p> <p>5 TX 5 PoE</p>
<p>I(P)ES-3416DSFP 16 10/100TX (PoE at/af) + 4 Dual Speed SFP L2+ Managed Ethernet Switch</p> <p>4 SFP 16 TX 16 PoE</p>	<p>I(P)ES-3016 16 10/100TX (PoE at/af) L2+ Industrial Managed Ethernet Switch</p> <p>16 TX 16 PoE</p>	<p>I(P)GS-0016 16 10/100/1000T (PoE at/af) Industrial Ethernet Switch</p> <p>16 GT 16 PoE</p>	<p>I(P)ES-0016 16 10/100TX (PoE at/af) Industrial Ethernet Switch</p> <p>16 TX 16 PoE</p>	<p>I(P)GS-0008B 8 10/100/1000T (PoE at/af) Industrial Ethernet Switch</p> <p>8 GT 8 PoE</p>	<p>I(P)ES-0008B 8 10/100TX (PoE) Industrial Ethernet Switch</p> <p>8 TX 8 PoE</p>

1) Model name (P) = PoE model
2) In a continuing effort to improve and advance technology, product specifications are subject to change without notice.
3) E-Marking of I(P)GS-0016 and I(P)ES-0016 are future release.

E4 E13

What is E-marking?

The e-mark is an EU mark for approved vehicles and vehicle components sold into the EU.

ITxPT

What is ITxPT?

ITxPT defines the physical interfaces between on-board systems, including general architecture, generic mechanisms with the communication protocols.