Case Study
- Rail Train System (case-study-rail-train-system.html)
- Vehicles (case-study-vehicles.html)
- Highway / Airport / Tunnel (case-study-highway-airport-tunnel.html)
- City Surveillance (case-study-city-surveillance.html)
- Oil&Gas / Offshore Platform / Maritime (case-study-oil-gas-offshore-platform-maritime.html)
- Power Substation (case-study-power-substation.html)
- Process Control / Mining (case-study-process-control-mining.html)
- Telecom / ISP / Others (case-study-telecom-isp-others.html)

# Merkavim Buses: Enhancing Onboard Systems with Lantech E-marking Ethernet Switches




Merkavim, Israel's leading bus manufacturer, has selected Lantech E-marking Ethernet switches to enhance the connectivity and performance of various onboard systems. These switches are integral in connecting the bus's CCTV system, ticketing machines, and Passenger Information System (PIS), ensuring seamless communication and reliable operation across all devices. The chosen models, IES-0008B-12V and IES-0016-24V, provide robust network performance under the demanding conditions of public transportation, supporting the safety and convenience of both passengers and operators.

Model: IES-0008B-12V

- EN61373 verification: 24V Input voltage
- Support IEEE802.3at/af up to 30W per port
- PoE model: Dual 9V~56VDC input (12V model; 9~36VDC w/E-Marked); 9~36VDC (24V model); 44V~56VDC input (48V model)
- Non-PoE model: dual 9V~60VDC input (12V model; 9~36VDC w/E-Marked); 9~36VDC (24V model)
- Galvanic isolation protection (power input /Ethernet port to case ground)
- Max PoE budget 240W at 48V, 120W at 24V, 80W at 12V input
- Relay alarm output for power fail and alarm
- Only 12V or 24VDC input system is applicable for E-mark approval
- E-marking certificate for vehicle application

Model: IES-0016-24V

- 16 10/100TX industrial Ethernet switch (Total 16 Ports Switch)
- Dual 9V~36VDC power input for 24V model with ISO7637-2 compliance
- Back-plane (Switching Fabric): 3.2Gbps
- Provides EFT protection ±2000 VDC for power line
- Supports ±6000 VDC Ethernet ESD protection
- Galvanic isolation between power input and system/case ground; between Ethernet port and system/case ground; between power input and Ethernet port
- E-marking certificate for vehicle application (-24V model)
- Relay alarm output for power fail and alarm
- IP30 metal housing with DIN rail and Wall-mount** design

## I(P)ES-0008B



8 10/100TX PoE at/af Industrial Unmanaged Ethernet Switch

Learn more (I(P)ES-0008B.html)

## IES-0016



16 10/100TX Industrial Unmanaged Ethernet Switch

Learn more (IES-0016.html)

## About Lantech

Lantech is an IRIS / IEC62443-4-1 certified company as well as a member of ITxPT. Lantech designs and produces a complete family of industrial networking products. For decades, Lantech has provided professional and powerful industrial networking solutions globally. Learn More (about-company-profile.html)

## Taiwan Quality

Lantech is dedicated to providing the best quality and service to our customers. We proudly provide up to 5 years warranty to our industrial products. Learn More (support-warranty-policy.html)

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