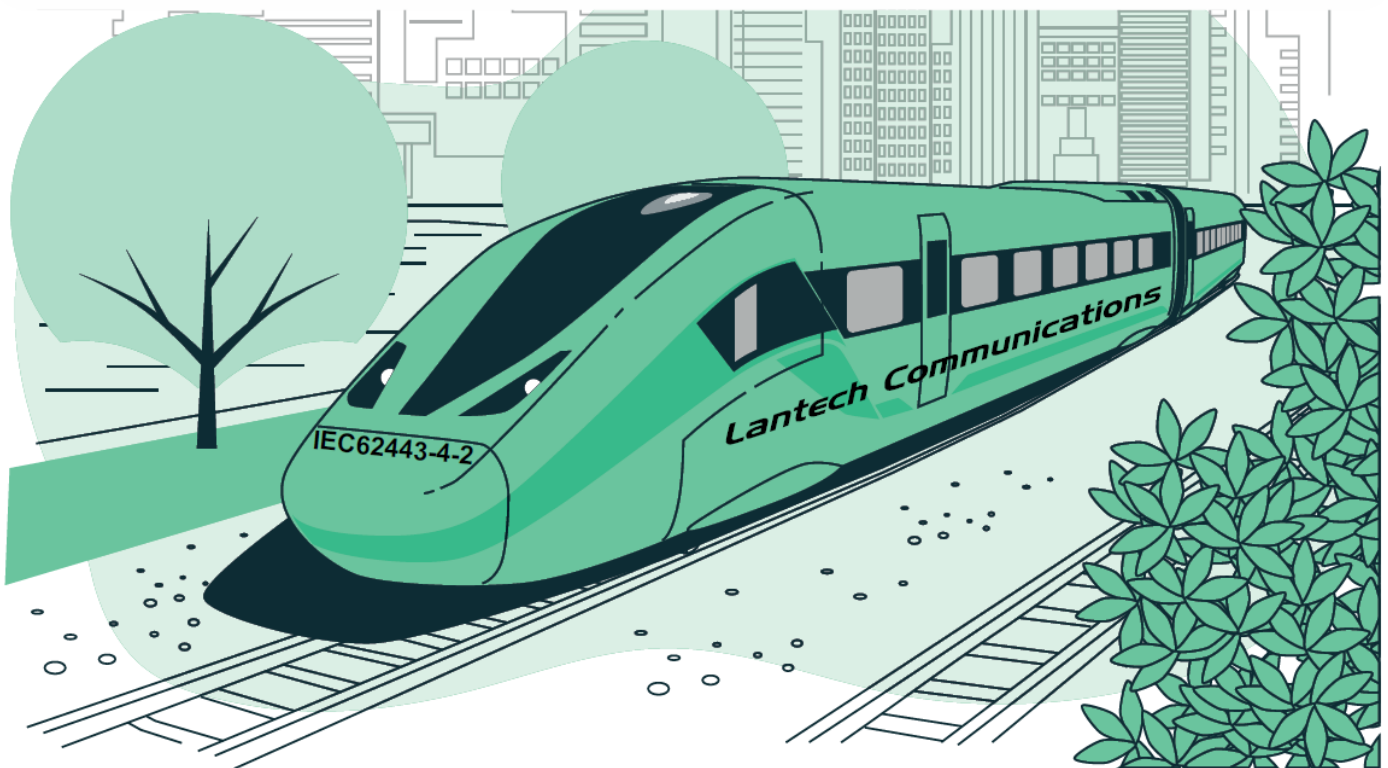


White Paper

Ensuring Cybersecurity Compliance with the EU Cyber Resilience Act (CRA)



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Introduction

As digital transformation accelerates across industries, cybersecurity is no longer optional—it is essential. Recognizing the critical need for a unified approach to cybersecurity, the European Union has introduced the **Cyber Resilience Act (CRA)**, the first regulation to mandate a minimum level of cybersecurity for all connected products sold in the EU.

At Lantech, we have proactively addressed these evolving requirements. Our **OS2Pro and OS5 managed series** have successfully implemented all requirements from **IEC 62443-4-2**, guided by the development lifecycle standards of **IEC 62443-4-1**. This positions our products at the forefront of cyber-resilient infrastructure—ready to meet today's demands and tomorrow's regulations.

What Is the CRA?

The **Cyber Resilience Act** establishes essential cybersecurity rules for “products with digital elements.” These include both hardware and software that are connected to networks—ranging from smartphones, firewalls, and smart meters to mobile apps and industrial automation software.

Key milestones in the CRA timeline:

- **11 December 2024:** CRA enters into force.
- **11 September 2026:** Mandatory reporting of vulnerabilities and security incidents.
- **11 December 2027:** Full compliance required for new products sold in the EU.

Lantech's Commitment to Cyber Resilience

Cybersecurity by Design and Default

Lantech adheres to the CRA's principles of **secure by design** and **secure by default**. Our products:

- Use **automatic OTP mechanisms** and **encryption** to protect data in transit and at rest.
- Minimize attack surfaces through hardened configurations and restricted services.
- Avoid weak default credentials and support secure firmware and software update mechanisms.

Compliance with IEC 62443

Our OS2Pro and OS5 series are developed under **IEC 62443-4-1** and comply with **IEC 62443-4-2**, which ensures:

- Defined security levels based on risk assessment.
- Secure communication protocols and network segmentation.
- Reliable mechanisms for system restoration and incident detection.

Supporting the CRA Requirements

To ensure our solutions are CRA-ready, we have implemented:

- **Software Bill of Materials (SBOM):** Enabling transparency into third-party components used in our systems.
- **Vulnerability Management:** Proactive detection and handling of security flaws throughout the product life cycle.
- **Security Updates:** Commitment to provide critical updates for a defined support period—typically at least five years.
- **Conformity Declarations:** Depending on product classification, we follow either internal assessment or third-party conformity evaluation.

Global Applicability: EU and Beyond

The CRA's reach extends to all manufacturers placing products on the EU market—regardless of their geographic location. Lantech, with a global presence and a strong focus on EU standards, ensures that our networking solutions are compliant and future-proof, aligning with customer needs in transportation, industry, and critical infrastructure.

Preparing for a Secure Future

As the **Cyber Resilience Act** reshapes the digital product landscape, Lantech stands ready to lead. By integrating robust cybersecurity principles, we empower customers to deploy secure, resilient networks—whether for **public transport, industrial automation, or smart city applications**. With the CRA's enforcement on the horizon, now is the time to choose partners who are **security-first and regulation-ready**. At Lantech, we're not only compliant—we're committed.

Contact us today to learn how Lantech solutions can support your cybersecurity compliance journey under the CRA.

Lantech OS2PRO/OS5 comply with IEC 62443-4-2

Learn more about flagship OS5 switches:

<https://www.lantechcom.tw/global/eng/software-OS5.html>

Learn more about OS2PRO switches:

<https://www.lantechcom.tw/global/eng/software-OS2PRO.html>

About Lantech

Lantech Communications Global, Inc. is an IRIS & ITxPT certified manufacturer of Ethernet products focused on the transportation markets, bus, train, trackside, ITS, smart city and many more applications. Our range of onboard EN50155 & E-Marked Ethernet switches & wireless/ LTE routers offer cutting edge design and functionality. We continue to work with our key customers in creating further enhancements & developments in on board passenger information, video security, trackside data communications by providing rugged 10GbE, PoE managed Ethernet switches, LTE/Wi-Fi routers in line with ITxPT and E-Marked certifications for various applications and critical solutions.