

White Paper

Cyber Resilience Act

Rev00

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2 INTRODUCTION

The Regulation (EU) 2024/2847, known as the Cyber Resilience Act (CRA), is a horizontal regulatory framework of the European Union (EU), which applies to hardware and software products ("products with digital elements") that are made available on the Union market. Such products include both final products and components placed separately on the market.

It aims to set the conditions for the development of secure hardware and software in the Union, in order to strengthen the EU approach to cyber-security and improve the functioning of the internal market.

The CRA entered into force on 10 December 2024. It will be fully applicable as of 11 December 2027 with some provisions starting to apply earlier: Chapter IV on the notification of conformity assessment bodies will apply from 11 June 2026, whereas reporting obligations set out in Article 14 apply from 11 September 2026.

3 UNDER WHICH CIRCUMSTANCES IS THE PRODUCT EXEMPT FROM THE CRA (Out of Scope)?

Whether a converter with a one-time programmable embedded controller (OTP EC) requires compliance with the Cyber Resilience Act (CRA) primarily depends on one decisive factor: the data connection. The CRA applies to products with digital elements (PDEs) whose intended use involves a direct or indirect data connection to another device or network.

If the integrated embedded controller is used exclusively for the internal regulation of the converter (e.g. PWM generation, evaluation of over-temperature protection, or power sequencing etc.) and has no external communication interface, the component is exempt from the CRA.

Reason: There is no data connection as defined by the CRA. From a regulatory perspective, the component is treated in the same way as a purely electromechanical or analogue component.

4 CONCLUSION

Some of the intreXis standard converters are purely analogue, others use a one-time programmable embedded controller. None of the intreXis standard converters has an external or internal data connection.

For this reason, our standard converters are exempt from the CRA (out of scope).