

ANSSI certifies the Siemens Scalance XM400* Industrial Ethernet switch

- **After its success with the Simatic S7-1500 controller, Siemens is once again the first manufacturer to obtain certification for an industrial product, this time for the Scalance XM400 Industrial Ethernet switch.**
- **This security certification is issued by the French Network and Information Security Agency (ANSSI - Agence Nationale de la Sécurité des Systèmes d'Information), the only body in France authorised to issue security certifications for industrial system products.**

The switch is a key component of such networks. Certification of the Siemens Scalance XM400 now gives users assurance on the level of protection vital to the security of their industrial systems.

First security level certification (CSPN – *Certification de Sécurité de Premier Niveau*) was awarded by ANSSI on 13 June 2016 (certificate ANSSI-CSPN-2016-09). It testifies to the level of security currently provided by the Siemens Scalance XM400 Industrial Ethernet switch. The Scalance XM400 Industrial Ethernet switch was put through a series of tests to check its security functions on the one hand, and to seek out vulnerabilities on the other. The tests demonstrated that it provides a higher level of confidentiality, availability and integrity for the installations in which it is fitted.

Thanks to the Siemens Security Integrated concept, the main security functions of the Scalance XM400 Industrial Ethernet switch covered by the certificate are:

- network segregation (using VLAN for instance);
- network interfaces management: ability to disable unused ports;
- MAC address filtering: creating a white list for each Ethernet interface;
- authentication of end devices using the IEEE 802.1X protocol, for instance;
- protection against fraudulent firmware updates;

- protection against configuration corruption;
- local and remote logging of administration and security events;

"This recognition confirms Siemens as a key partner in meeting its customers' digitalisation and cybersecurity challenges. It is yet another step forward in our commitment to providing a full range of secure controller products at all levels" says Vincent Jauneau, head of the Digital Factory and Process Industries and Drives Divisions at Siemens France.



**For further information on the Scalance XM400 switch security target and certification report, visit ANSSI's website: http://www.ssi.gouv.fr/entreprise/certification_cspn/scalance-xm408-8c/*

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