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Samsung Display Solutions

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2021-06

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Whitepaper

Keep your business safe with MagicINFO™ Security

: ISO/IEC 27001:2013 & 27701:2019 Certification

Global Trend

Businesses seek data security amidst threats and regulation

Businesses are prioritizing data security as the rise in sophisticated hacks threatens to disrupt operations. Companies that handle sensitive information are such as personal data reevaluating security priorities and seeking comprehensive, maintained solutions.

Governments are also enacting stricter data and privacy protection regulations to further protect consumer data. In EU countries, companies that ignore GDPR* protocol can face up to a 4% penalty on annual sales.

To ensure compliance and maximize protection, international security organizations developed new security standards and certification systems based on international standards. Certifications are awarded to security systems or solutions that sufficiently protect data and comply with standards set by in-market regulations.

*GDPR: General Data Protection Regulation (EU) 2016/679 (GDPR) is a regulation in EU law on data protection and privacy in the European Union (EU) and the European Economic Area (EEA).

The Signage CMS industry faces new security considerations

The digital signage industry faces new security threats due to a rise in sophisticated hacks that target display CMS solutions or local devices to display inappropriate images or messages, negatively impacting a brand and causing unwanted attention.

The signage industry is also digitally transforming, allowing all aspects of digital CMS to be accessed, created and manipulated on the cloud. This newfound access provides flexibility But can also create new opportunities for hackers to access sensitive information.

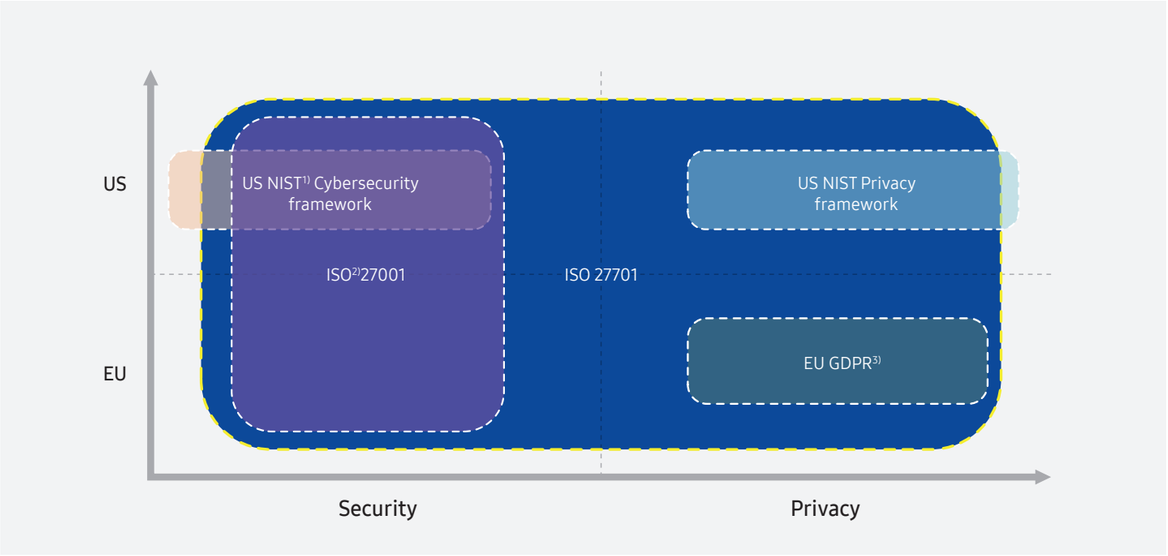
Self-created security systems cannot always account for all threats or potential flaws in an organization's framework. These solutions are often managed by the same teams that designed the original system, leading to biases that do not consider all potential flaws within a system.

Industry-leading security

Samsung MagicINFO delivers modern, internationally recognized security

To account for new digital signage industry threats and increasing worldwide government regulation, all while aspiring to meet new international security standards, Samsung sought international standard certifications for MagicINFO Solution and MagicINFO™ Cloud Service.

After extensive research and enhancements to its solution and cloud service, Samsung MagicINFO was awarded ISO/IEC 27001 and 27701 certifications, the most widely recognized and used security standards today.



1) NIST: National Institute of Standards and technology
2) ISO : International Organization for Standardization
3) GDPR: General Data Protection Regulation.

ISO 27001 and 27701 Certification requirement

ISO27001 and ISO27701 certifications are international standards for information protection and personal information protection management systems established by the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC). Samsung MagicINFO™ was certified after a strict screening and verification process by international judges reviewing 114 information security items, 114 personal information security items and 49 other requirements with a personal information handler and personal information processor. Samsung also prioritized receiving its certifications from a trusted authority. Samsung was certified by BSI, the most recognized organization in the field of ISO27001 and ISO27701.

ISO/IEC 27701

ISO/IEC 27001

Information security items	
A.5 Information security policies	2
A.6 Organization of information security	7
A.7 Human resource security	6
A.8 Asset management	10
A.9 Access control	14
A.10 Cryptography	2
A.11 Physical & environmental secyrity	15
A.12 Operations security	14
A.13 Communications security	7
A.14 System acquisition, decelopment & maintenance	13
A.15 Supplier relationships	5
A.16 Information security incident management	7
A.17 Infomation security aspects of business continuity management	4
A.18 Compliance	8
Total	114

Personal information security items	
A.5 Personal information security policies	2
A.6 Organization of personal information security	7
A.7 Human resource security	6
A.8 Asset management	10
A.9 Access control	14
A.10 Cryptography	2
A.11 Physical & environmental secyrity	15
A.12 Operations security	14
A.13 Communications security	7
A.14 System acquisition, decelopment & maintenance	13
A.15 Supplier relationships	5
A.16 Personal information security incident management	7
A.17 Personal information security aspects of business continuity management	4
A.18 Compliance	8
Total	114

PII controller and PII processor items		
PII[1] Controllers[2]	A.7.2 Conditions for collection and processing	8
	A.7.3 Obligations to PII principals	10
	A.7.4 Privacy by design and privacy by default	9
	A.7.5 PII sharing, transfer and disclosure	4
Total		31
PII Processors[3]	B.8.2 Conditions for collection and processing	6
	B.8.3 Obligations to PII parincipals	1
	B.8.4 Privacy by design and privacy by default	3
	B.8.5 PII sharing, transfer and disclosure	8
Total		18

1) PII : Personally Identifiable information.
2) Controller : The natural or legal person, public authority, agency or other body which, alone or jointly with others, determines the purposes and means of the processing of personal data.
3) Processor : a natural or legal person, public authority, agency or other body which processes personal data on behalf of the controller.

MagicINFO™ customers are protected by industry-leading security

Samsung MagicINFO™ provides the highest level of security in the digital signage industry and is officially recognized worlwide. The strict requirements set in place for ISO 27001 and ISO 27701 ensure its security meets the highest levels of protection, providing customers with peace of mind. With the world's first ISO 27701 for a digital signage solution, MagicINFO customers can confidently process and store personal information with the assurance that PII (personally identifiable information) is effectively and stably managed. As security continues to be a top priority for any business that handles personal information, MagicINFO, universally recognized by the ISO and the IEC, soars past minimum requirements to set a new security benchmark for the digital signage industry.