資安解決方案

Intertek 針對不同類型與模式的產品提供完整解決方案

標準 / 認證	適用產品類別	認證用途 / 重點
資訊技術安全共同準則 Common Criteria / ISO 15408	資通訊產品：伺服器、路由器和閘道器、印表機、資料庫管理軟體、作業系統等產品	• 全球許多國家政府採購資通訊產品的安全性標準 • 由美國、英國、德國、法國及加拿大等國家所制訂的資安產品評估及驗證規範 • 全球許多政府或組織公認為第三方實驗室驗證最高層級的資通訊產品安全性認證
美國聯邦資訊處理標準 (FIPS) FIPS 140-3 / ISO 19790	資通訊產品：伺服器、路由器和閘道器、印表機、資料庫管理軟體、加密安全模組等具有加密功能之產品	• 美國聯邦政府採購強制性要求資通訊產品的安全認證 • 加密系統的安全證明
IEC 62443 系列	工業自動化系統與控制系統的運營技術 (OT)	• IEC 62433系列標準規範電信運營商、服務供應商、零件或系統製造商與系統整合商的資安要求 • 工控系統 (IACS)的技術與系統流程資安標準
UL 2900 系列	具連網功能的醫療設備與其他物聯網 (IoT)產品	• 美國FDA針對連網醫療設備的共通標準 • 物聯網產品高水準的資安認可
美國無線通訊與網際網路協會 (CTIA) 資安認證	行動網路(蜂巢式網路)產品	• 預計成為美國電信營運商的強制要求 • 基本的資安要求
無線產品 RED 指令授權法規	大部分可連網的無線設備：如兒童照護產品、具有無線功能的穿戴式產品、玩具等產品	• 歐盟境內銷售的無線產品均須符合RED指令
支付卡產業PIN交易安全 (PTS) 硬體安全模組 (HSM) 非接觸式COTS支付 (CPoC) 軟體支援的PIN碼輸入 (SPoC)	支付裝置 (POS機、刷卡機、PIN碼輸入裝置)、硬體安全模組 (HSM)、行動支付APP	• 支付卡產業安全標準旨在保障持卡人和交易數據，是處理信用卡交易的首要安全條件
物聯網網路安全 認證計畫 INTERTEK CYBER ASSURED	消費性物聯網產品：家電、玩具、門鎖等產品	• 與ETSI 303 645具有一致的測試與認證流程 • 解決物聯網產品 (應用程式、雲端、設備)端到端的漏洞風險 • 透過軟體物料清單 (SBOM)持續監控漏洞，提供客戶最新發現的弱點 • 提供全面性的測試與認證計畫

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PRODUCT CYBER SECURITY SOLUTIONS

Intertek's solutions for customers in different regions and product sectors

STANDARD / CERTIFICATION	TYPICAL PRODUCT TYPES	USE OF CERTIFICATION
Common Criteria / ISO 15408	ICT: servers, routers and gateways, printers, database management software, operating systems	• Typically, a purchasing requirement for ICT products for governments in the Common Criteria group • Demonstrates high level of cyber security
FIPS 140-3 / ISO 19790	ICT: servers, routers and gateways, printers, database management software, cryptographic security modules	• Typically, a purchasing requirement for ICT products for the US Federal government • Specifically demonstrates the cryptography of the system is secure
IEC 62443 Series	Operational technology (OT) in automation and control systems	• IEC 62443 series of standards addresses cybersecurity requirements for operators, service providers, and component or system manufacturers. • The series describes both technical and process-related cybersecurity requirements for automation and control systems.
UL 2900 Series	Connected Medical devices, and other IoT products	• Consensus standard for US FDA for connected medical devices • Other IoT devices to demonstrate a high level of security
CTIA Cyber Security	Cellular connected IoT products	• Expected to become mandatory on other US operators • Demonstrates basic level of cyber security
Radio Equipment Directive (RED) Delegated Acts	Most Internet connected radio equipment; childcare products, toys, and wearable products with radio functions	• RED compliance is mandated for all products sold in the EU.
Payment Card Industry (PCI) PIN Transaction Security (PTS), Hardware Security Module (HSM), Contactless Payments on COTS (CPoC), and Software-based PIN on COTS (SPoC)	Payment devices (point of sale terminals, card readers, and PIN entry devices), hardware security modules (HSMs), and mobile payment applications	• PCI requirements are designed to secure cardholder and transaction data and required to process credit card transactions.
IOT CYBER ASSURED	Consumer IoT products: fridges, toys, door locks etc.	• Aligns with ETSI 303 645 test and certification process • Address end-to-end risks of IoT Products i.e. Mobile App, Cloud, Device) • Unique Continuous Vulnerability Monitoring process of Software Bill of Materials (SBOM) updates clients on newly discovered weaknesses • Comprehensive but risk appropriate test and certification program focused on consumer products, incl. cellular connected products

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