

Cryptographic Module Validation Program FIPS 140-1 and FIPS 140-2 Modules In Process List

Module Name	Vendor Name	IUT	Review Pending	In Review	Coordination	Finalization
3e-945 AirGuard iMesh Wireless Gateway Cryptographic Module	3e Technologies International, Inc.					
Thunder Series Application Delivery Controller TH4430S, TH5630S, and TH6630S	A10 Networks, Inc.					
Acronis Cryptographic Module	Acronis International GmbH					
ACOS5-64	Advanced Card Systems Ltd.					
AWS Key Management Service HSM	Amazon Web Services, Inc.					
ACI-3002-S Controller	APCON, Inc.					
Apple iOS CoreCrypto Kernel Module v7.0	Apple Inc.					
Apple iOS CoreCrypto Module v7.0	Apple Inc.					
Apple OS X CoreCrypto Kernel Module, v7.0	Apple Inc.					
Apple OS X CoreCrypto Module, v7.0	Apple Inc.					
iDENtear	Apply Mobile					
Aruba AP-324, AP-325, AP-228 Wireless Access Points	Aruba					
Aruba IAP-214, IAP-215, IAP-224, IAP-225, IAP-274, IAP-275, RAP-108 and RAP-109 Wireless Access Points with Aruba Instant Firmware	Aruba Networks, Inc.					
Aruba Virtual Mobility Controller - Tactical, with ArubaOS FIPS Firmware	Aruba Networks, Inc.					
CoSign	ARX (Algorithmic Research)					
TransformIT	Arxan Technologies					
Attivo Cryptographic Module	Attivo Networks, Inc.					
Attivo Cryptographic Provider	Attivo Networks, Inc.					
BotSink 2500, 3200 and 5100	Attivo Networks, Inc.					
BotSink ACM	Attivo Networks, Inc.					
G430 Media Gateway and G450 Media Gateway	Avaya, Inc.					
Becrypt Cryptographic Library	Becrypt Limited					
BCM58100B0: BCM5801B0, BCM5802B0, BCM5803B0	Broadcom Ltd.					
Brocade VDX 6740, VDX 6740T, VDX 6940 and VDX 8770 Switches	Brocade Communications Systems, Inc.					
Brocade(R) DCX, DCX 8510-8, DCX-4S and DCX 8510-4 Backbones, 6510 and 6520 FC Switches, and 7800 Extension Switch	Brocade Communications Systems, Inc.					
Brocade(R) FCX 624/648, ICX 6450, ICX 7750, ICX 7250 and SX 800/1600 Series	Brocade Communications Systems, Inc.					
Brocade(R) ICX (TM) 6610 and ICX 7450 Series	Brocade Communications Systems, Inc.					
Brocade(R) ICX 7250, ICX 7450 and ICX 7750	Brocade Communications Systems, Inc.					
Brocade(R) MLXe(R), Brocade(R) NetIron(R) CER 2000 Ethernet Routers and Brocade CES 2000 Routers and Switches	Brocade Communications Systems, Inc.					
Brocade(R) NetIron(R) CER 2000 Ethernet Routers and Brocade CES 2000 Routers and Switches	Brocade Communications Systems, Inc.					
CHR Cryptographic Module	Bull atos technologies					
PTP 700 Point to Point Wireless Ethernet Bridge	Cambium Networks, Ltd.					
NITROX XL 1600-NFBE HSM Family	Cavium					
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NITROX XL 1600-NFBE HSM Family	Cavium					
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NITROX XL 1600-NFBE HSM Family	Cavium					
NITROXIII CNN35XX-NFBE HSM Family	Cavium Inc.					
CENTRI BitSmart Enterprise Client 2.0	CENTRI Technology					
CENTRI BitSmart Enterprise Server 2.0	CENTRI Technology					
Centrify Cryptographic Module	Centrify Corporation					
FibeAir« IP-20C, FibeAir« IP-20S, FibeAir« IP-20N, FibeAir« IP-20A, FibeAir« IP-20G, and FibeAir« IP-20GX	Ceragon Networks Ltd.					
Check Point Cryptographic Library	Check Point Software Technologies Ltd.					
Christie F-IMB 4K Integrated Media Block (IMB)	Christie Digital Systems Canada Inc.					
TWNID on Oracle Java Card Platform for Infineon on SLE 78 (SLJ 52GxyyyzR)	Chunghwa Telecom Co., Ltd.					
HiCOS PKI Applet and Taiwan eID Applet on Oberthur Technologies ID-One Cosmo V8	Chunghwa Telecom Co., Ltd. and Oberthur Technologies					
Ciena 6500 Flex3 WaveLogic 3e OCLD Encryption Module	Ciena Corporation					
Cisco Catalyst 4503-E, Catalyst 4506-E, Catalyst 4507R-E, Catalyst 4510R-E, Catalyst 4510R, Catalyst C4500X-16SFP, Catalyst C4500X-F-16SFP, Catalyst C4500X-32SFP, Catalyst C4500X-F-32SFP, Catalyst C4500X-24X-ES, Catalyst C4500X-40X-ES, Catalyst C4500X-24X	Cisco System, Inc.					
Cisco 2504 and 8510 Wireless LAN Controllers	Cisco Systems, Inc.					
Cisco 5508 Wireless LAN Controller	Cisco Systems, Inc.					
Cisco 5520 and 8540 Wireless Controllers	Cisco Systems, Inc.					
Cisco Adaptive Security Appliance (ASA) Virtual	Cisco Systems, Inc.					
Cisco Aironet 1532 e/i, 1552 e/i, 1562 e/i/d/ps, 1572 EAC, 1602 e/i, 1702i, 2602 e/i, 2702 e/i, 2802 e/i, 3502 e/i, 3602 e/i/p, 3702 e/i/p, 3802 e/i/p Wireless LAN Access Points	Cisco Systems, Inc.					
Cisco ASA Service Module (SM)	Cisco Systems, Inc.					
Cisco C819, C880, C890 ISRs, CGR 2010, C800M, ESR5900, and IR809	Cisco Systems, Inc.					
Cisco Catalyst 3750-X Switch	Cisco Systems, Inc.					
Cisco Cloud Services Router 1000 Virtual	Cisco Systems, Inc.					
Cisco Integrated Services Router (ISR) 19XX, 29XX, 39XX, and 59XX ESR	Cisco Systems, Inc.					
Cisco Integrated Services Router (ISR) 891W, 1941W, 829W	Cisco Systems, Inc.					
Cisco Optical Networking Solution (ONS) 15454 Multiservice Transport Platforms (MSTPs) & NCS 2000 Series	Cisco Systems, Inc.					
Cohesity OpenSSL FIPS Object Module	Cohesity, Inc.					
Port Authority Series	Communication Devices, Inc.					
CommVault Crypto Library	CommVault Systems, Inc.					
Unified Crypto Module	Comtech EF Data Corporation					
Cylance Protect	Cylance, Inc.					
CryptoCore	Cyphort, Inc.					

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Module Name	Vendor Name	IUT	Review Pending	In Review	Coordination	Finalization
Dell SonicWALL NSA Series 2600, 3600, 4600, 5600	Dell Software, Inc.					
Dell SonicWALL NSA Series SM 9600, SM 9400, SM 9200, NSA 6600	Dell Software, Inc.					
Dell SonicWALL TZ Series TZ 300, TZ 300W, TZ 400, TZ 400W, TZ 500, TZ 500W and TZ 600	Dell Software, Inc.					
SMA 6200 and SMA 7200	Dell Software, Inc.					
SRA EX6000 and SRA EX7000	Dell Software, Inc.					
SRA EX9000	Dell Software, Inc.					
The Privileged Appliance and Modules (TPAM)	Dell Software, Inc.					
Distributed Key Protection	Dyadic Security Ltd					
Unity 12G SAS I/O Module with Encryption	EMC Corporation					
Entrust IdentityGuard PIV Credential 1.1	Entrust, Inc.					
EROAD Cryptographic Module	EROAD Limited					
OpenSSL crypto for BIG-IP	F5 Networks, Inc.					
TMM crypto for BIG-IP	F5 Networks, Inc.					
Fatpipe Encryption Module	FatPipe Inc.					
FireEye PX Series: PX 004S, PX 1004ESS16, PX 1004EXT4, PX 1020ESS16, PX 1020EXT10, PX 1020EXT20, PX 1040EXT20, PX 2004ESS24, PX 2004ESS48, PX 2020ESS24, PX 2020ESS48, PX 2040ESS48	FireEye, Inc.					
Sidewinder	Forcepoint					
FortiAP-320C	Fortinet Inc.					
FX Cryptographic Kernel Module	Fuji Xerox					
EXP1000	FutureX					
EXP9000 Hardware Security Module	FutureX					
GSP3000	FutureX					
eToken 5110	Gemalto					
IDCore 30-revB	Gemalto					
IDPrime MD 830-revB	Gemalto					
IDPrime MD 830-revB	Gemalto					
MultiApp V31 Platform	Gemalto SA					
Fortress Mesh Points	General Dynamics Mission Systems					
GO-Trust SDencrypter	GOTrust Technology Inc.					
INTEGRITY Security Services High Assurance Embedded Cryptographic Toolkit	GreenHills Software					
RF-7850S Secure Personal Radio	Harris Corporation					
Voltage Cryptographic Module v5.0	Hewlett Packard					
HPE 10500 series and 5830AF series switches	Hewlett Packard Enterprise					
HPE 10500, 12900 Series Chassis running Comware 7	Hewlett Packard Enterprise					
HPE 12508E and 12518E Switch Chassis Running Comware 7	Hewlett Packard Enterprise					
HPE 5130EI, 5130HI, 5510HI, 5930 Series Switches running Comware 7	Hewlett Packard Enterprise					

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HPE 5700, 5900, 5920 Series Switches running Comware 7	Hewlett Packard Enterprise					
HPE 5930-32QSFP+ Switch with MacSec running Comware 7	Hewlett Packard Enterprise					
HPE 6125XLG Blade Switches	Hewlett Packard Enterprise					
HPE 7500, 7900 Series Chassis and the 12904E Chassis running Comware 7	Hewlett Packard Enterprise					
HPE Enterprise Secure Key Manager	Hewlett Packard Enterprise					
HPE MSR 1000, 2000, 3000, 4000 Series Routers running Comware 7	Hewlett Packard Enterprise					
HPE MSR 3012, 3024 AC/PoE Routers running Comware 7	Hewlett Packard Enterprise					
HP XP7 Encryption Ready Disk Adapter (eDKA)	Hewlett Packard Enterprise Company					
HPE P-Class Smart Array Gen9 RAID Controllers	Hewlett Packard Enterprise Development LP					
HP LTO-6 Tape Drive	Hewlett-Packard Company					
HP Networking Switches	Hewlett-Packard Company					
HGST Ultrastar He10 TCG Enterprise HDD	HGST, a Western Digital company					
HGST Ultrastar SSD800/1000/1600 TCG Enterprise SSDs	HGST, a Western Digital company					
CM2	High Density Devices AS					
Hitachi Virtual Storage Platform (VSP) Encryption Adapter	Hitachi, Ltd.					
Hitachi Virtual Storage Platform (VSP) Encryption Board	Hitachi, Ltd.					
Hospira CE3.x OpenSSL Cryptographic Module	Hospira					
HP StoreOnce Backup System	HP Storage					
Voltage Cryptographic Module v.5.0	HPE Data Security					
Huawei FIPS Cryptographic Library (HFCL)	Huawei Technologies Co., Ltd.					
Hypori ACE Device	Hypori					
IBM Java JCE FIPS 140-2 Cryptographic Module	IBM Corporation					
IBM(R) z/OS(R) Version 2 Release 1 Security Server RACF(R) Signature Verification Module version 1.0	IBM Corporation					
IBM® Security QRadar® SIEM	IBM Corporation					
IBM Security Modular Extensible Security Architecture	IBM Security					
IBM(R) z/OS(R) Version 2 Release 1 ICSF PKCS #11 Cryptographic Module	IBM Systems & Technology Group					
IBM(R) z/OS(R) Version 2 Release 1 System SSL Cryptographic Module	IBM Systems & Technology Group					
IBM LTO Generation 7 Encrypting Tape Drive	IBM(R) Corporation					
IBM 4767 Cryptographic Coprocessor Security Module	IBM® Corporation					
FireSphere 14600	iboss, Inc.					
FireSphere 7960	iboss, Inc.					
Imprivata FIPS Crypto Module v1.0	Imprivata, Inc.					
Trusted Platform Module 2.0 SLB 9670	Infineon Technologies, AG					
IAS Router	Information Assurance Specialists, Inc.					
Integral Crypto AES 256 Bit USB 3.0	Integral Memory PLC.					
INTEGRITY Security Services High Assurance Embedded Cryptographic Toolkit	Integrity Security Services/Green Hills Software					
Cryptographic Module for Intel(R) vPro(TM) Platforms' Security Engine Chipset	Intel Corporation					

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FIPS Crypto Module	Ionic Security Inc.					
datAshur Pro 3.0	iStorage Limited					
Net Tool Optimizer (NTO) 7303	Ixia					
Vision ONE	Ixia					
Juniper Networks EX3300 and EX2200 Ethernet Switches	Juniper Networks, Inc.					
Juniper Networks EX4300 and EX4600 Ethernet Switches	Juniper Networks, Inc.					
Juniper Networks LN1000 and LN2600 Secure Routers	Juniper Networks, Inc.					
Juniper Networks SRX100, SRX110, SRX210, SRX220, SRX240, SRX550, and SRX650 Services Gateways	Juniper Networks, Inc.					
Juniper Networks SRX1400, SRX3400, and SRX3600 Services Gateways	Juniper Networks, Inc.					
Juniper Networks SRX5400, SRX5600, and SRX5800 Services Gateways	Juniper Networks, Inc.					
MX240, MX480, and MX960 3D Universal Edge Routers with the Multiservices MPC	Juniper Networks, Inc.					
Kaspersky Cryptographic Module (Kernel Mode)	Kaspersky Lab UK Ltd.					
Kaspersky Cryptographic Module (Pre-Boot)	Kaspersky Lab UK Ltd.					
Kaspersky Cryptographic Module (User Mode)	Kaspersky Lab UK Ltd.					
Kony Cryptographic Library	Kony, Inc.					
eSRVIVR(r) Cockpit Voice and Flight Data Recorder (CVFDR) Encryption Module	L-3 Communications, Aviation Recorders					
BC-FJA (Bouncy Castle FIPS Java API)	Legion of the Bouncy Castle Inc.					
BC-FNA (Bouncy Castle FIPS .NET API)	Legion of the Bouncy Castle Inc.					
Lenovo Kernel Crypto API Library A for System x	Lenovo Group Limited					
Lenovo Kernel Crypto API Library B for System x	Lenovo Group Limited					
Lenovo OpenSSL Library for System x	Lenovo Group Limited					
LG Framework Cryptographic Module	LG Electronics, Inc.					
LG Kernel Cryptographic Module	LG Electronics, Inc.					
LG Kernel Cryptographic Module	LG Electronics, Inc.					
LG OpenSSL Cryptographic Module	LG Electronics, Inc.					
Monet 2.0	Marvell Semiconductor, Inc.					
Network Security Platform Sensor NS-7100, NS-7200 and NS-7300	McAfee, Inc.					
BitLocker(R) Dump Filter (dumpfve.sys) in Microsoft Windows 10 Pro, Windows 10 Enterprise, Windows 10 Enterprise LTSB	Microsoft Corporation					
BitLocker(R) Windows OS Loader (winload) in Microsoft Windows 10, Windows 10 Pro, Windows 10 Enterprise, Windows 10 Enterprise LTSB	Microsoft Corporation					
BitLocker(R) Windows Resume (winresume) in Microsoft Windows 10, Windows 10 Pro, Windows 10 Enterprise, Windows 10 Enterprise LTSB	Microsoft Corporation					
Boot Manager in Microsoft Windows 10, Windows 10 Pro, Windows 10 Enterprise, Windows 10 Enterprise LTSB	Microsoft Corporation					
Code Integrity (ci.dll) in Microsoft Windows 10, Windows 10 Pro, Windows 10 Enterprise, Windows 10 Enterprise LTSB	Microsoft Corporation					

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Cryptographic Primitives Library (bcryptprimitives.dll and ncryptsslp.dll) in Microsoft Windows 10, Windows 10 Pro, Windows 10 Enterprise, Windows 10 Enterprise LTSCB	Microsoft Corporation					
Kernel Mode Cryptographic Primitives Library (cng.sys) in Microsoft Windows 10, Windows 10 Pro, Windows 10 Enterprise, Windows 10 Enterprise LTSCB	Microsoft Corporation					
Secure Kernel Code Integrity (skci.dll) in Microsoft Windows 10 Enterprise, Windows 10 Enterprise LTSCB	Microsoft Corporation					
Proteus MX Cryptographic Module	Microwave Networks Inc.					
Motorola Network Router (MNR) S6000	Motorola Solutions Systems Polska Sp. z o.o.					
ASTRO PDEG Motorola Advanced Crypto Engine (MACE)	Motorola Solutions, Inc.					
Motorola GGM 8000 Gateway	Motorola Solutions, Inc.					
Voice Processing Module Cryptographic Module (VPMCM) / Telephone Media Gateway Cryptographic Module (TMGCM)	Motorola Solutions, Inc.					
LX-4000T Series Console Servers	MRV Communications Inc.					
NetApp Cryptographic Security Module	NetApp, Inc.					
SR-OS Cryptographic Module	Nokia Corporation					
NPCT6XX TPM 1.2	Nuvoton Technology Corporation					
Talon Secure Video Transmission Unit	Open Roads Consulting, Inc.					
Acme Packet 1100 and Acme Packet 3900	Oracle Corporation					
Acme Packet 4600	Oracle Corporation					
Acme Packet Virtual Machine Edition (VME)	Oracle Corporation					
Oracle Key Vault	Oracle Corporation					
Oracle Solaris Kernel Cryptographic Framework	Oracle Corporation					
Oracle Solaris Userland Cryptographic Framework	Oracle Corporation					
Oracle StorageTek T10000D Tape Drive	Oracle Corporation					
PA-200, PA-500, PA-2000 Series, PA-3000 Series, PA-4000 Series, PA-5000 Series and PA-7050 Firewalls	Palo Alto Networks					
Panorama M-100/M-500	Palo Alto Networks, Inc.					
HSID5000	Parsec					
Persistent Systems Wave Relay Quad Radio Router and Man Portable Unit (Generation 2, Generation 3 Single/Dual, and Generation 4)	Persistent Systems, LLC					
Persistent Systems Wave Relay Single, Dual, and Quad Radio Board	Persistent Systems, LLC					
Alteon - Application Deliver Controller Series 5208/XX, 6420/XX, 8420/XX	Radware Ltd.					
Rajant BreadCrumb LX4-2495 and LX4-2954	Rajant Corporation					
Rajant BreadCrumb ME4-2409	Rajant Corporation					
Cryptosec Dekaton	Realia Technologies, S.L.					
Red Hat Enterprise Linux 7.1 GnuTLS Cryptographic Module	Red Hat(R), Inc.					
Red Hat Enterprise Linux 7.1 Libreswan Cryptographic Module	Red Hat(R), Inc.					
Red Hat Enterprise Linux 7.1 NSS Cryptographic Module	Red Hat(R), Inc.					
Red Hat Enterprise Linux Kernel Crypto API Cryptographic Module v4.0	Red Hat(R), Inc.					
Red Hat Enterprise Linux libgcrypt Cryptographic Module v4.0	Red Hat(R), Inc.					

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Rubrik Cryptographic Library	Rubrik Inc.					
Samsung BoringSSL Cryptographic Module	Samsung Electronics Co., Ltd.					
Samsung Kernel Cryptographic Module	Samsung Electronics Co., Ltd.					
Samsung SAS 12G TCG Enterprise SSC SEDs PM163x Series	Samsung Electronics Co., Ltd.					
Samsung SCrypto	Samsung Electronics Co., Ltd.					
SAP CommonCryptoLib Crypto Kernel	SAP SE					
Seagate Secure® TCG Opal SSC Self-Encrypting Drive (SED) FIPS 140-2 Module	SeagateTechnology					
Xperia Cryptographic Module	Sony Mobile Communications, Inc.					
Sophos Firewall OS	Sophos Ltd.					
Sophos Firewall OS virtual appliance	Sophos Ltd.					
SPYRUS USB-3 Module	SPYRUS Inc.					
SPYCOS® 3.0 QFN	SPYRUS, Inc.					
SPYRUS MDTU-P384 Encryption Module	SPYRUS, Inc.					
Trusted Platform Module ST33TPHF2ESPI	STMicroelectronics					
Symantec Messaging Gateway Cryptographic Module	Symantec Corporation					
Tanium Cryptographic Module	Tanium, Inc.					
TCS Galatea 2 Serial ATA (SATA) Solid State Drive (SSD)	TeleCommunication Systems (TCS)					
Datacryptor® 100M Ethernet	Thales e-Security					
Datacryptor® Gig Ethernet and 10 Gig Ethernet	Thales e-Security					
nShield Solo XC F2	Thales e-Security Inc.					
nShield Solo XC F3 [1] and nShield Solo XC F3 for nShield Connect XC [2]	Thales e-Security Inc.					
nShield Solo XC F3 [1] and nShield Solo XC F3 for nShield Connect XC [2]	Thales e-Security Inc.					
nToken	Thales e-Security Inc.					
nShield Remote Administration Token	Thales e-Security Ltd.					
Toshiba TCG Enterprise SSC Self-Encrypting Solid State Drive (PX04S, PX05S model) Type A	Toshiba Corporation					
Toshiba TCG Enterprise SSC Self-Encrypting Solid State Drive (PX04S, PX05S model) Type B	Toshiba Corporation					
Advanced Configurable Cryptographic Environment (ACCE) v3 HSM Crypto Module	Ultra Electronics AEP					
CryptoServer CSe	Utimaco IS GmbH					
CryptoServer Se-Series Gen2	Utimaco IS GmbH					
Vaultive Cryptographic Module	Vaultive, Inc.					
VeloCloud Cryptographic Security Module	VeloCloud Networks Inc.					
Viptela Cryptographic Module	Viptela, Inc.					
V-Key Cryptographic Module	V-Key					
Vormetric Data Security Manager Module	Vormetric Inc.					
Vormetric Data Security Manager Virtual Appliance Module	Vormetric Inc.					

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Evolution e8350-FIPSL2 Satellite Router [1], iConnex e800-FIPSL2 Satellite Router Board [2], iConnex e850MP-FIPSL2 Satellite Router Board [3], Evolution eM1D1-FIPSL2 Line Card [4], and Evolution eMODM-FIPSL2 Line Card [5]	VT iDirect, Inc.					
WatchGuard Firebox M200, M300, M400, M500, M440, M4600, M5600	WatchGuard Technologies, Inc.					
WatchGuard Firebox T10, T10-W, T30, T30-W, T50, T50-W	WatchGuard Technologies, Inc.					
C Crypto Module v2.0	Websense					
SecureDoc® Disk Encryption Cryptographic Engine for MacOS X	WinMagic Inc.					
SecureDoc® Disk Encryption Cryptographic Engine for Windows	WinMagic Inc.					
XTec Cryptographic Module	XTec, Inc.					
HSM-ZJ2014	Zanjia Electronic Science & Technology (Beijing) Co., Ltd.					
	Displayed: 247	133	21	16	75	2
	Not Displayed: 3	1	1	1	0	0
	Total: 250	134	22	17	75	2