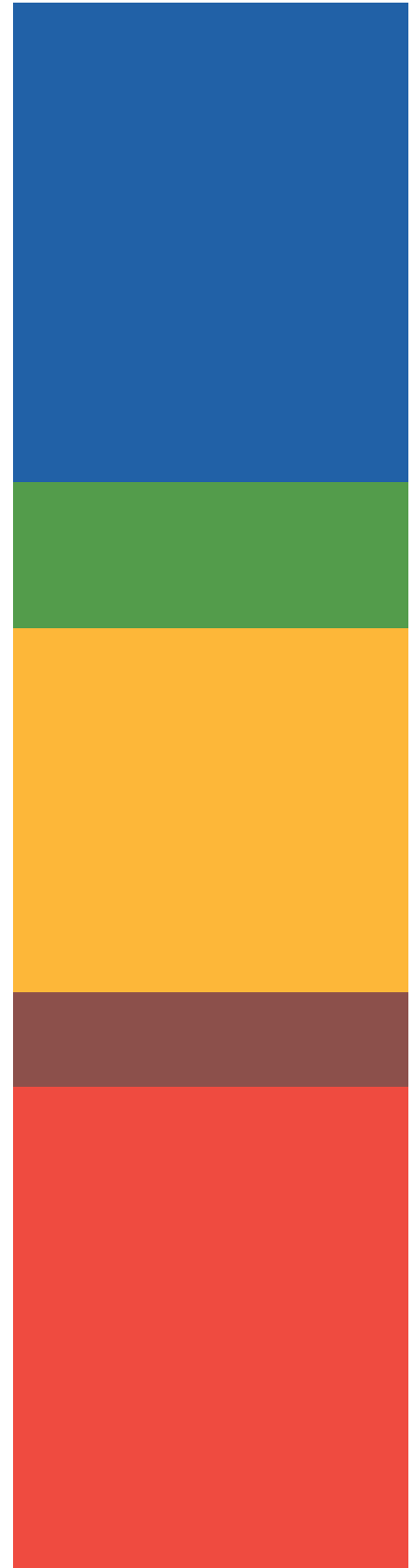


PKI Appliance Model Comparison

PKI FUNCTIONALITY	S	M	L
Includes EJBCA 6 Enterprise	✓	✓	✓
Common Criteria EAL 4+ certified components	✓	✓	✓
Certificate Authority functionality with unlimited number of CAs	✓	✓	✓
Support for operating multiple, independent PKI hierarchies within one installation	✓	✓	✓
Registration Authority with role based access control and approval mechanisms	✓	✓	✓
Validation Authority supporting CRL distribution and OCSP	-	✓	✓
Highly flexible integration interface based on web services	-	✓	✓
Support for CMP v2 RFC 4210	-	✓	✓
Support for SCEP	-	✓	✓
Support for real-time certificate data synchronization between CA and VA instances (Peer Connector)	-	✓	✓
Cryptographically protected audit log, recording all security events	✓	✓	✓
Optional SignServer add-on for document, data and code signing	-	On Request	On Request
APPLIANCE PLATFORM			
Easy to use web based installation wizard	✓	✓	✓
Web based appliance administration interface	✓	✓	✓
Easy to use update mechanism for firmware and application software	✓	✓	✓
Build in backup and restore functionality	✓	✓	✓
Support for smart card based protection for backups (M-out-of-N)	✓	✓	✓
Support for smart card protected crypto token activation	✓	✓	✓
Remote logging (syslog) support including system and audit log	✓	✓	✓
SNMP monitoring	✓	✓	✓
Mail notification service	✓	✓	✓
Support for 2 and 3 node cluster setups offering fail-over or high availability	-	✓	✓
Field-upgradable storage space	On Request	On Request	-
Field-upgradable issuance performance	On Request	-	-
Option to integrate Third Party Virtual Machines on the underlying Security Platform	-	On Request	On Request
HARDWARE			
Built in FIPS 140-2 level 3 certified HSM	✓	✓	✓
Reset-to-Factory defaults mechanism including secure key zeroization	✓	✓	✓
Dual Gigabit Ethernet ports with separation of management and application networks	✓	✓	✓
Redundant, field-replaceable power supply	✓	✓	✓
Included PIN pad and 10 Smart Cards	-	✓	✓
Support for external HSM backup batteries (availability Q2 2016)	✓	✓	✓
External battery adapter included (availability Q2 2016)	✓	-	-
SUPPORT AND MAINTENANCE			
SLA Standard	✓	✓	✓
SLA Premium	On Request	On Request	On Request
One Time HW+ (advanced hardware replacement)	-	On Request	On Request



Performance Overview

CERTIFICATE CAPACITY	S	M	L
Number of supported certificates	<1000	8 Mill	20 Mill

ISSUANCE PERFORMANCE WITH ACTIVATED AUDIT LOG (certs/sec)	S	M	L
RSA-1024 SHA1WithRSA	5	28	28
RSA-2048 SHA256WithRSA	1	26	26
RSA-4096 SHA512WithRSA	0,5	9	9
EC secp256r1 SHA256withECDSA	5	25	25
EC secp384r1 SHA384withECDSA	4	24	24
EC secp521r1 SHA512withECDSA	3	23	23

ISSUANCE PERFORMANCE WITH DEACTIVATED AUDIT LOG (certs/sec)	S	M	L
RSA-1024 SHA1WithRSA	30	101	101
RSA-2048 SHA256WithRSA	10	79	79
RSA-4096 SHA512WithRSA	0,5	11	11
EC secp256r1 SHA256withECDSA	43	98	98
EC secp384r1 SHA384withECDSA	21	95	95
EC secp521r1 SHA512withECDSA	9	88	88

OCSP Performance Overview

OCSP PERFORMANCE WITH DEACTIVATED AUDIT LOG (responses/sec)	S	M	L
RSA-1024 SHA1WithRSA	-	450	450
RSA-2048 SHA256WithRSA	-	80	80
RSA-4096 SHA512WithRSA	-	11	11
EC secp256r1 SHA256withECDSA	-	490	490
EC secp384r1 SHA384withECDSA	-	380	380
EC secp521r1 SHA512withECDSA	-	190	190

PKI Appliance Technical specifications

- Dimensions: Height: 88,4mm (2 HU)
Width: 430mm (19") Depth: 633mm
- Weight: 12.5kg (27,5 lb)
- Interfaces:
4 x USB 2.0 (2 on the front panel, 2 on the rear side)
2 x 1 GBit Ethernet (RJ45)
1 x VGA (DB15)
2 x PS2 Mouse & Keyboard
Serial Port (DB9)
- Power Supply:
Redundant 2 x 500W, typical efficiency > 80% 110/240V, 50/60Hz
- Power Consumption:
Typical 80W Maximum 135W
- Environmental Temperature:
operation +10°C to +50°C (+50°F to 122°F) storage -10°C to +55°C (+14°F to 131°F)
- Conformity: CE, RoHS, FCC
- Shipping dimensions:
Height: 247mm (9,73")
Width: 582mm (22,91")
Depth: 766mm (30,16")
Shipping weight: 17 kg (37,5lb)
- Supplied Accessories:
Rack mounting rails
US and EU Power Cords
Smart card reader
10 smart cards

About PrimeKey:

PrimeKey Solutions AB is one of the world's leading companies for PKI solutions. PrimeKey has developed successful solutions, such as EJBCA Enterprise, Sign-Server Enterprise and PrimeKey PKI Appliance. PrimeKey is a pioneer in open source security software that provides businesses and organisations around the world with the ability to implement security solutions such as e-ID, e-Passports, authentication, digital signatures, unified digital identities and validation. PrimeKey has its head office in Stockholm, Sweden.

