

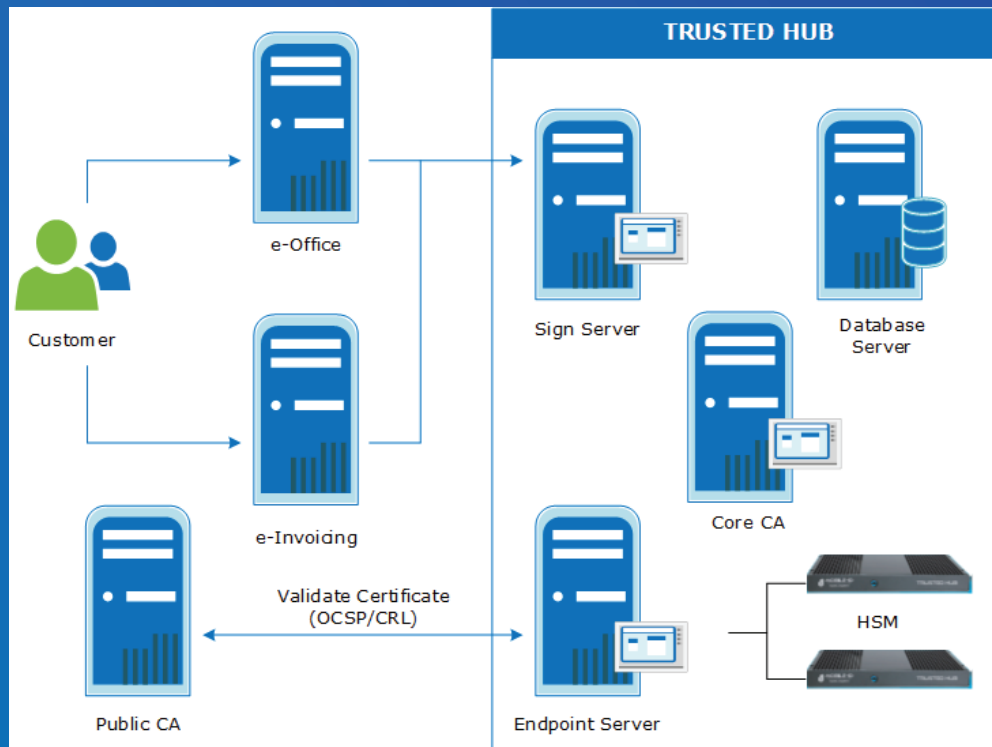
TRUSTED HUB MINI HSM



This is a strong authentication & validator system with effective cost where security and convenience meet

Trusted Hub is applied to many financial/social systems such as e-banking, e-securities, e-insurance, e-tax/e-customs declaration and e-government services

System architecture



PKI characteristics

- Supports RSA key length algorithm 2048/4096 bit
- Support ECDSA key algorithm (Elliptic Curve Digital Signature Algorithm)
- Supports multiple hashing algorithms for digital signatures : SHA2-family, SHA3
- Signature generation speed is 20 tps with RSA 2048 key length
- Unlimited keys and transactions
- Compatible with algorithms and certificate NSA SUITE
- Sign and validate the signature/signed document that created by trusted hub acted the AP (Application Provider) in MSSP
- Sign document and Validate sign document (PDF, MS Office, Open Office, XML, XadES, MRTD)
- Validate PKCS#7 Signature (CMS)
- Integrated Time Stamp Authority module conforms to RFC3161 standard, Allows configuration of time source
- Process PDF document, allowing: custom signature on text, timestamp, CRL (Certification Revocation List), OCSP (Online Certification Status Protocol)Process PDF document, allowing: custom signature on text, timestamp, CRL (Certification Revocation List), OCSP (Online Certification Status Protocol)
- OTP OATH token Authentication, OTP SMS, OTP Email Authentication
- Access management: 2-way SSL, IP filtering, decentralization call the function...

Customers And Partners

Certificate Authority (CA)



Bank



TELCO



Hospital



Partners



Specifications

Model name	DEX5550
CPU	Intel Core i5-8250U (Dual Core, 6MB Smart Cache, 1.60~3.40 GHz)
Size	Height: 25mm , Width:158mm , Horizontal: 240mm , weight: 1.03kg
Trusted Platform Module	TPM SLB 9670 TPM2.0
Certification	NIST PUB FIPS 140-2 Level 2 certified
LAN	RJ45, 10/100/1000
RAM	8Gb x 2, DDR4 (Total 16Gb)
HDD	256Gb m.2 SSD
Port connect	Lan x 2, VGA x 2, USB 3.0 x 4, HDMI x 2
Radiators	Fanless design
Power supply	65W, AC 110~230 to DC 19V Adaptor
MTBF	50.000 hours
Working temperature	0~450C (32~1040F)
Storage temperature	-20~600C (-4~1400F)
Relative humidity	90% RH