IEI Trusted Platform Module (TPM)

Hardware-based security solution for data protection and reliable authentication via TPM that stores key, passwords and digital certificates.

H/W Features

Solution / Features	Infineon SLB9635 TT1.2	SLB9665TT2.0
		
Secure Startup	Root of Trust Measurement of early boot devices	
Anti H/W Attack	Sensors and active shield	
TSS API Support	MS-CAPI/PKCS#11, #12	
H/W Certification	EAL 4	
Management Tool Function	1. TPM management 2. File & Folder En/De-cryption 3. Personal secure drive 4. Secure Email 5. Key transferring 6. Security policy configuration	
Market Segment	Complete TPM1.2/2.0 function	
TCG Specification	TCG 1.2/2.0 compliant trusted platform module	
Interface	Low pin count	
Software Structure	TCG software stack 1.2 complaint	
Cryptographic Accelerator	HAS-1/RSA algorithm	

IEI SBC with TPM support

Form factor	Model name	Form factor	Model name
PICMG1.3	PCIE-Q170-i2*	Micro-ATX	IMB-H110*
	SPCIE-C236-i2*		IMB-Q870-i2
	SPCIE-C2260-i2		IMB-H810-i2
	SPCIE-C2160		IMB-Q770
	SPCIE-C2060		IMB-Q670
	PCIE-H810		IMB-H610A/H610B
	PCIE-Q670	Mini-ITX	tKINO-BW
	PCIE-H610		KINO-DBT
PICMG1.0	WSB-H810		KINO-SE/KBN-i2
	WSB-H610		KINO-DH810
	WSB-PV-D4251/D5251		eKINO-BT
Half-size PCIe	PICOe-B650		KINO-ABT-i2
	PICOe-HM650		KINO-DA750-i2
Half-size PCISA	PCISA-BT		KINO-AA750-i2
ATX	IMBA-C2360-i2*		KINO-AQ870
	IMBA-Q170-i2*		KINO-DQM871-i1
	IMBA-H110*		KINO-QM770
	IMBA-BDE		KINO-DH610
	IMBA-H810		KINO-AH611
	IMBA-C2260-i2		KINO-AH612
	IMBA-Q870-i2		KINO-QM670
	IMBA-Q770	5.25" SBC	NOVA-PV-D5251
	IMBA-H610	EPIC SBC	NANO-QM871
	IMBA-C2060		NANO-QM770
	IMBA-Q670		NANO-HM650

* TPM 2.0 is supported is these models.

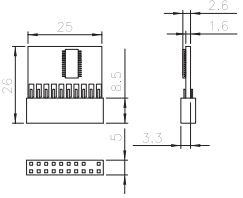
Pin Assignment

Pin	Singnal	Pin	Singnal	Pin	Singnal	Pin	Singnal
1	LCLK	6	VCC5	11	LAD0#	16	SERIRQ
2	GND	7	LAD3#	12	GND	17	GND
3	LFRAME#	8	LAD2#	13	SCL	18	CLKRUN#
4	KEYWAY	9	VCC3	14	SDA	19	LPCPD#
5	LRST#	10	LAD1#	15	SB3V	20	LDRQ#

Ordering Information

Model Name	Description
TPM-IN01-R20	20-pin Infineon TPM1.2 module, software management tool, firmware v3.17
TPM-IN02-R20	20-pin Infineon TPM2.0 module, software management tool, firmware v5.5

Dimensions (mm)



IPCIE-4POE

PCI Express Power over ethernet frame grabber card, 4-port 1000 Base(T), 802.3af compliant

New

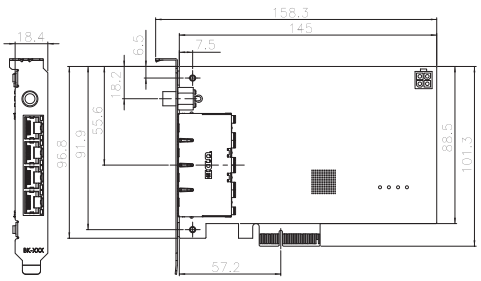
Features

- PCI Express® x4 compliant
- Support for IEEE 802.3af for PoE (Power oveer Ethernet) with 15.4 watts per port
- Support link aggregation/jmbo frames (9 Kbyte)
- Supports 12~24 AT/ATX DC input power.

Packing List

- 1 x IPCIE-4POE card
- 1 x QIG (Quick Installation Guide)
- 1 x Utility CD

Dimensions (mm)



Specifications

- Interface: PCI Express® x4
- Ethernet
  Intel® i210 AT controller
  9kB jumbo frame
  IEEE 802.3az, IEEE1588
- PoE Capability
  IEEE 802.3af
  15.4W / 48V DC per port
- PWR Input
  12~24V DC input
  Internal DC input (2x2 ATX)
  External DC input (Φ2.1/Φ5.5)
  (Colay Φ2.5/Φ5.5)
- Operating Temperature: 0°C ~ 60°C
- Storage Temperature: -10°C ~ 70°C
- Operating Humidity: 5% ~ 95%, non-condensing

Ordering Information

Part No.	Description
IPCIE-4POE-R10	PCI Express power over ethernet frame grabber card, 4-port 1000 Base(T), 802.3af compliant
63040-010090-120-RS	Adapter power, FSP, FSP090-DIEBN2, 9NA0904712, Vin: 90~264VAC, 90W, Plug=7.5mm, Cable=1500mm, Erp (no load 0.5W), Vout: 19VDC, Φ2.1/Φ5.5/lock, CCL, RoHS
63040-010065-200-RS	Adapter power, FSP, FSP065-REBN2, 9NA0654709, Vin: 90~264VAC, 65W, Dim: 46.3x108.3x30mm, Plug=7.5mm, Cable=1500mm, Erp (no load 0.1W), Vout: 19VDC, Φ2.1/ Φ5.5/lock, CCL, RoHS