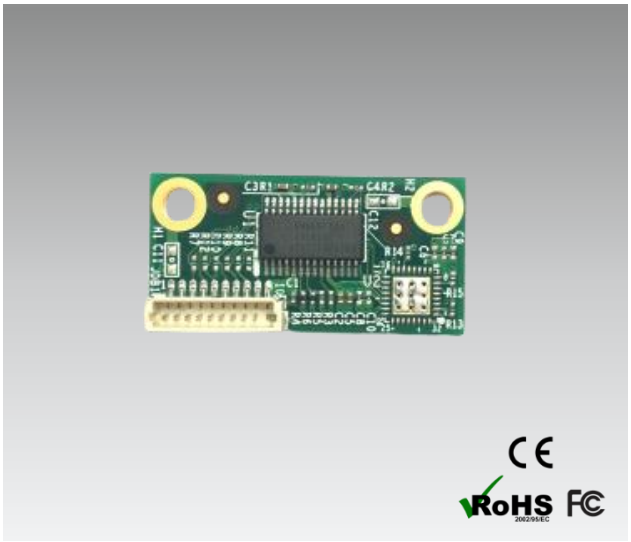
EBK-TPM 1.2

TRUSTED PLATFORM MODULE



Main Features

- High-end security controller with advanced cryptographic algorithms implemented in hardware
- TCG and Common Criteria certified with EAL4+
- Flexible with LPC interface support and communicate with the serial interrupt(SERIRQ) protocol
- Extended temperature range (-40 to +85°C) for a variety of applications
- Industrial design, manufactured in Cadmus Taiwan

Product Overview

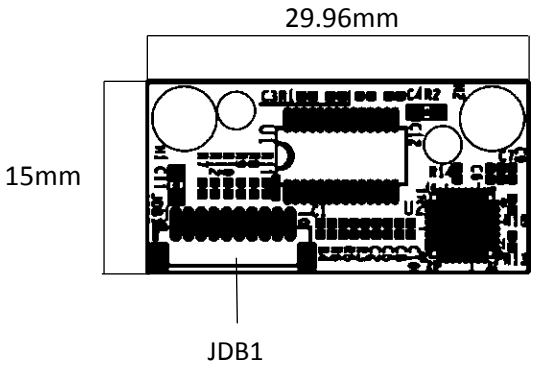
TPM (Trusted Platform Module) is a computer chip (microcontroller) that can securely store artifacts used to authenticate the platform (your PC or laptop). These artifacts can include passwords, certificates, or encryption keys.

A TPM can also be used to store platform measurements that help ensure that the platform remains trustworthy. Authentication (ensuring that the platform can prove that it is what it claims to be) and attestation (a process helping to prove that a platform is trustworthy and has not been breached) are necessary steps to ensure safer computing in all environments.

Specifications

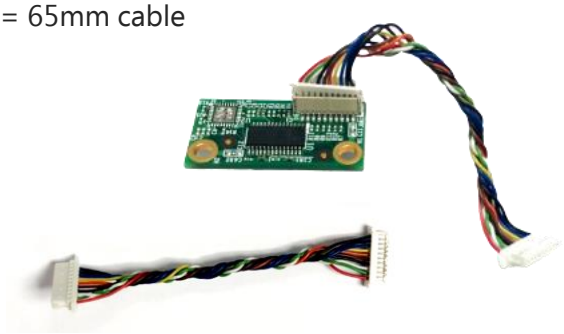
Module Name	EBK-TPM1.2
Board Layout	30 x 15 mm thickness: 1.6mm OSP
Chipset	TPM1.2 : SLB9660TT1.2 FW4.43
Input interface	LPC interface
Support	**TPM1.2 Supports :** RSA encryption RSA signature RSA-DAA SHA-1 HMAC One-time-pad with XOR AES (optional)
Compatible Operating System	Windows
Relative Humidity	Operating 10%~90%, non-condensing Non-operating 5%~95%, non-condensing

Dimension

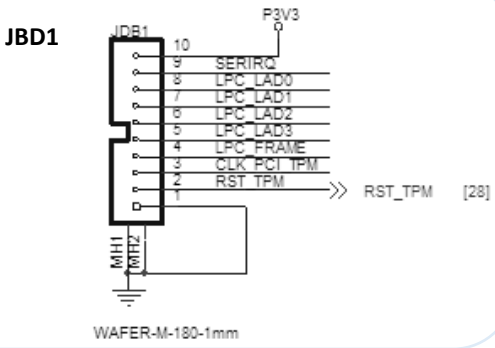


Cable Optional:

10 pin (pitch 1.0) to 10 pin (pitch 1.0)
L= 65mm cable



Pin definition



10 pin (pitch 1.0) to 13 pin (pitch 2.0)
L= 95mm cable

Pin definition

Pin	Function	Pin	Function
1	L_CLK	2	L_AD1
3	L_RST#	4	L_AD0
5	L_FRAME#	6	3V3
7	L_AD3	8	GND
9	L_AD2	10	Kev
11	INT_SERIRQ	12	GND
13	5VSB	14	5V