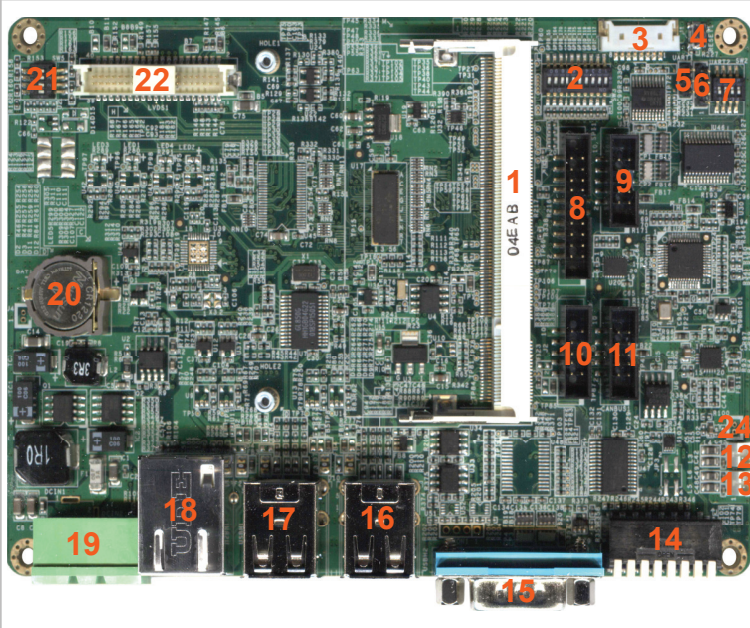




Complete of the shelf solution for Human Machine Interface (HMI) applications.

LAN, CAN bus, RS-232, RS-422/485, SPI, I²C, GPIO to manage and monitor external devices.

24 bit LVDS connector to connect to LCD panels with or without touch screens.

System

System on module

Compatible with TAM-3517 by a 200 pin SO-DIMM connector (1) backed up with coin battery (20)

RTC

Interfaces

Connectors

LAN connector (18)
4x standard USB host ports (16, 17)
1x RS-232/422/485 (15)
8x DIP switch (14)
micro-SD card slot (bottom)
On-board connector
LVDS connector (22)
microphone (24)
2W amplified speaker (12, 13)
Expansion header
Touch interface (3) (order option)
GPIO for Keypad (10) (order option)
CAN bus (11)
RS-232 (9)
SPI, I²C, GPIO (8)
UART (5, 6)

Power

Input power

12 VDC (Combicon MSTB 2.5) (19)
(with locking screws)

Environmental and Mechanical

Temperature

Commercial: 0° ~ 60°C
Industrial: -40 ~ 85 °C

Humidity

10-90%

Dimensions

147 x 102 mm (5¾ x 4 inch)

Weight

92 grams

Shock

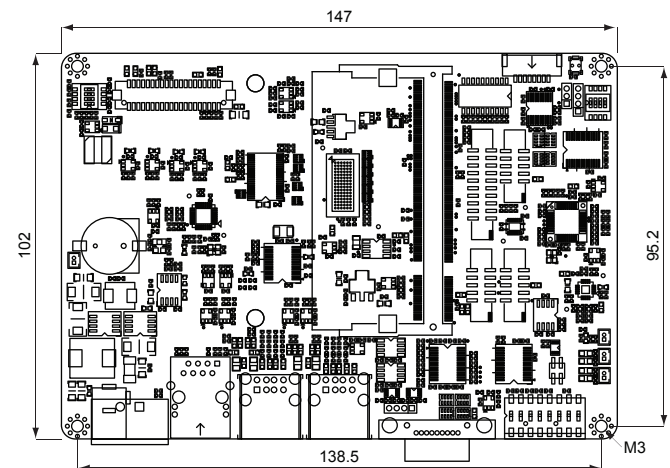
50G / 25ms

Vibration

20G / 0-600 Hz

Dimensions

units in mm



Order Information

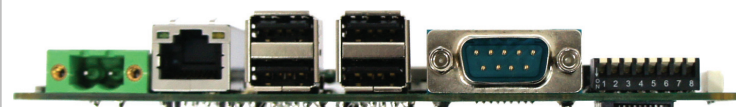
THB-3517
THB-3517-i

HMI base board for TAM-3517
HMI base board for TAM-3517 with industrial temperature specifications (MOQ's apply)

Options

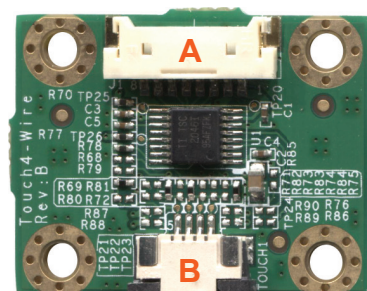
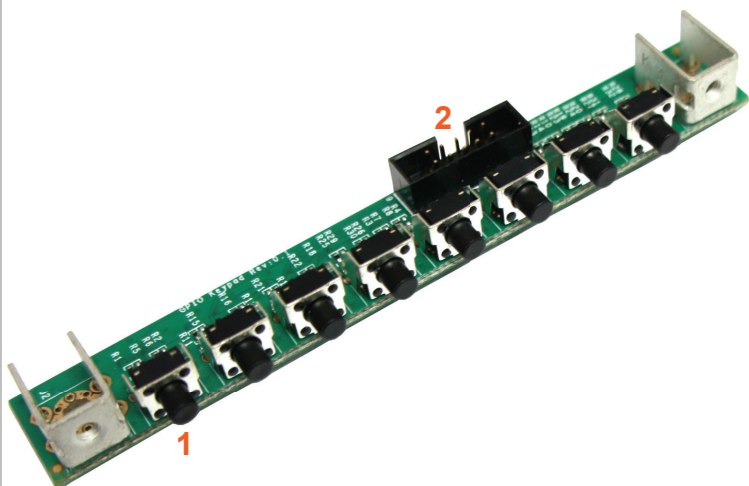
4-wire touch PCB
Keypad PCB

4-wire touch controller for Thb-3517
8 button GPIO Keypad



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System

Keypad PCB

Compatible with THB-3517 by a
10 pin dual row box header (2)

Interfaces

Buttons

8 tact switches (1)

Mounting

2 x M3 terminal

Expansion header

10 pin dual row 2.0mm box header (2)

Environmental and Mechanical

Temperature

Commercial: -40° to 85° C

Humidity

10-90%

Dimensions

97.5 x 17.3 mm (3¾ x ⅝ inch)

Weight

10 grams

Shock

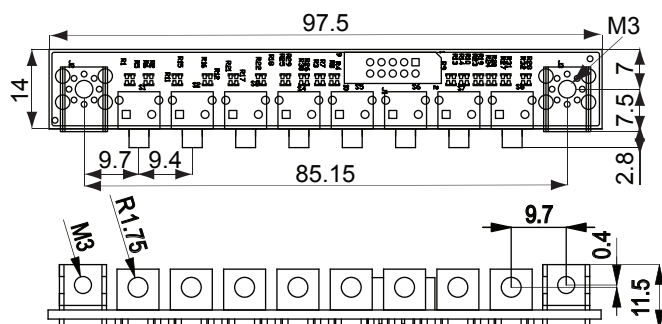
50G / 25ms

Vibration

20G / 0-600 Hz

Dimensions

units in mm



System

4-wire touch PCB

Compatible with THB-3517 by a
8 pin connector (A)

Interfaces

Connectors

4-wire FPC connector (B)

8 pin Molex PanelMate 1.25mm (A)

Environmental and Mechanical

Temperature

Commercial: -40° to 85° C

Humidity

10-90%

Dimensions

32 x 25 mm (1¼ x 1 inch)

Weight

5 grams

Shock

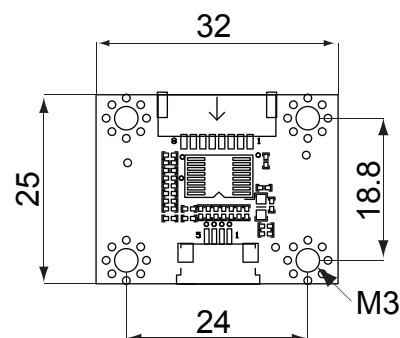
50G / 25ms

Vibration

20G / 0-600 Hz

Dimensions

units in mm



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