

工业3.5英寸主板 GEC-ITLU-TW01



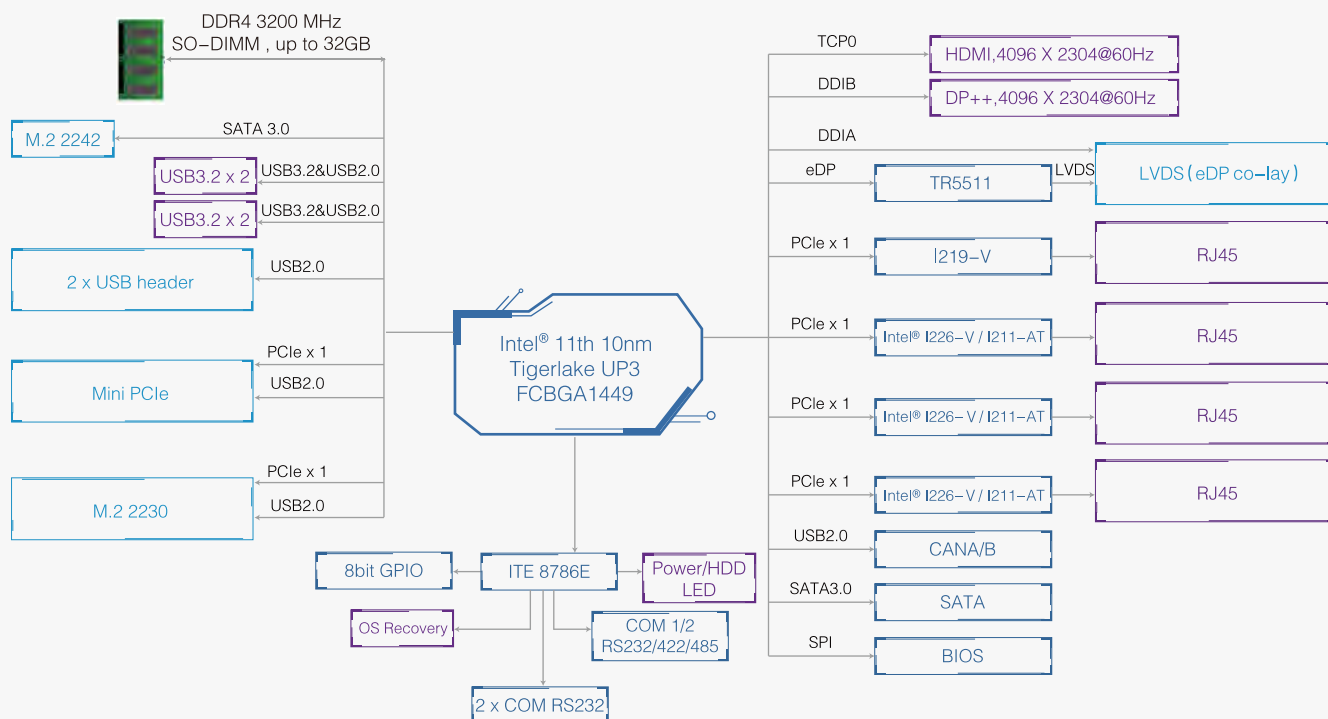
■ 特性 Introduction

- Industrial 3.5 inches mainboard
- Intel® 11th Tigerlake UP3
- 12 ~ 24V wide voltage input
- 4 x Intel® Gigabit Lan, 4 x COM, 6 x USB
- HDMI, DP++, LVDS
- OS Recovery

■ 正视图 I/O View



■ 方块图 Block Diagram



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规格 Specification

系统 System

处理器Processor	Intel® 11th i7/i5/i3/Celeron处理器 (Tiger lake UP3) 6305/i3-1115G4/i5-1135G7/i7-1165G7
内存 Memory	1 x DDR4 3200 MHz SO-DIMM, Up to 32 GB
BIOS	AMI 128Mbit SPI Flash
图形 Graphics	Intel® Integrated Graphics
操作系统 OS	Windows 10, Linux
看门狗定时器 Watchdog Timer	System reset, programmable 255 levels timer interval, from 1~255 sec/min

外部 I/O External I/O

网口 Ethernet	4 x RJ45 3 x Intel® I210-AT GbE (10/100/1000 Mbps) 1 x Intel® I219-V GbE (10/100/1000 Mbps)
显示 Video	1x HDMI: max resolution up to 4096 x 2304@30Hz 1x DP++: max resolution up to 4096 x 2304@60Hz
USB	4 x USB 3.2 (Gen2)
指示灯 LED	1 x Power LED, 1 x HDD LED
OS Recovery	1 x OS Recovery按键

环境 Environmental

操作温度 OperatingTemp	0°C ~ 60°C
存储温度 Storage Temp	-40°C ~ 85°C
操作湿度 Operating Relative Humidity	60°C 95%RH
存储湿度 Storage Relative Humidity	60°C 95%RH, 非凝结状态Non-condensing
随机振动 Random Vibration	5~500Hz, 3.5Grms operation
正弦振动 Sine Vibration	5~500Hz, 2G Non-operation
机械冲击 Shock	Operation: 10G@11ms, Non-operation: 20G@11ms

认证 Certification

安规认证 Safety Certification	CE, FCC, RoHS
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内部接口 Internal I/O

扩展接口 Expansion	1 x Full-size Mini-PCIe Slot (USB/PCIe) 1 x M.2 2242 slot (SATA 3.0) 1 x M.2 2230 slot for WiFi module
显示接口	1 x LVDS/eDP co-lay ---2CH 24bit LVDS, ---4Lanes eDP
LCD inverter power	1 x LCD inverter power connector, 默认5V, 可选12V
Panel power jumper	1 x Jumper, 默认3.3V, 可选5V
COM	2 x RS232/422/485auto-flow, 2 x RS232
USB	2 x USB 2.0 pin header
SATA	1 x SATA 3.0 + SATA power
GPIO	1 x 8bit programmable GPIO
音频 Audio	1 x Audio (Line-out&Mic-in) wafer
CAN	2 x CAN 2.0B
SIM	1 x SIM Card Slot
FAN	1 x 4pin CPU fan
ATX/AT jumper	1 x ATX/AT jumper
Front panel	1 x Fronte panel (power on/off, reset, power LED, HDD LED)

电源 Power

电源输入 Power Input	12~24V DC
接口 Interface	内部接口2pin 电源接口

机构 Mechanical

尺寸 Dimension	146 x 102 mm, 3.5寸
备注 Remark	CPU背贴

主要销售型号 Sales Model

销售型号 Sales Model	GEC-I15G-TW01 GEC-I35G-TW01 GEC-I65G-TW01
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