

IF70

Intel® Core™ i7/ i5/ i3 Mini-ITX 嵌入式單板



KEY FEATURES

- LGA1151插座適用於 Intel® Core™ i7 / i5 / i3處理器
- Mini ITX外形尺寸 (170 x 170 mm)
- DDR4 2666 MHz SO-DIMM支持高達32 GB的容量
- 12V單電壓電源輸入
- 顯示器支持 DP / HDMI (可選) / LVDS / eDP 面板接口
- 可選PCIE 3.0 x 16插槽。



SPECIFICATIONS

系統規格

處理器	Intel® Core™ i7-9700TE (12M Cache, up to 3.80 GHz) Intel® Core™ i5-9500TE (9M Cache, up to 3.60 GHz) Intel® Core™ i3-9100TE (6M Cache, up to 3.20 GHz)	晶片組	Intel® Q370
記憶體	1 x SO-DIMM, DDR4 2400 MHz, 4GB 8GB (Optional) 16GB (Optional) 32GB (Optional) 2 x SO-DIMM, up to 64GB (Optional)	儲存空間	1 x M.2 2242 B-key SSD 128GB M.2 2242 B-key SSD up to 512GB (Optional) M.2 2280 M-Key NVME SSD, up to 4TB (Optional) 2 x SATA III support RAID 0,1 (Optional)
以太網控制器	Intel® Ethernet Controller I211-AT + Intel® Ethernet Connection I219-LM	安全支援	TPM 2.0
作業系統	Windows 10 IoT Enterprise (Optional) Linux Ubuntu 18.04 (Optional) Linux Ubuntu 20.04 (Optional)		

訊號埠

電源輸入	1 x 12V DC, Din4 pin connector	USB埠	4 x USB3.2 Gen.1 (Type-A)
影像	1 x DP1.2 1 x HDMI 1.4 (Optional)	音訊	Mic in Line out
擴充端口	1 x M.2 2242/2280 Key M slot for SATA/NVMe SSD 1 x M.2 2230 Key E slot for WiFi (Optional)	有線網路	2 x Giga LAN RJ45 Connector

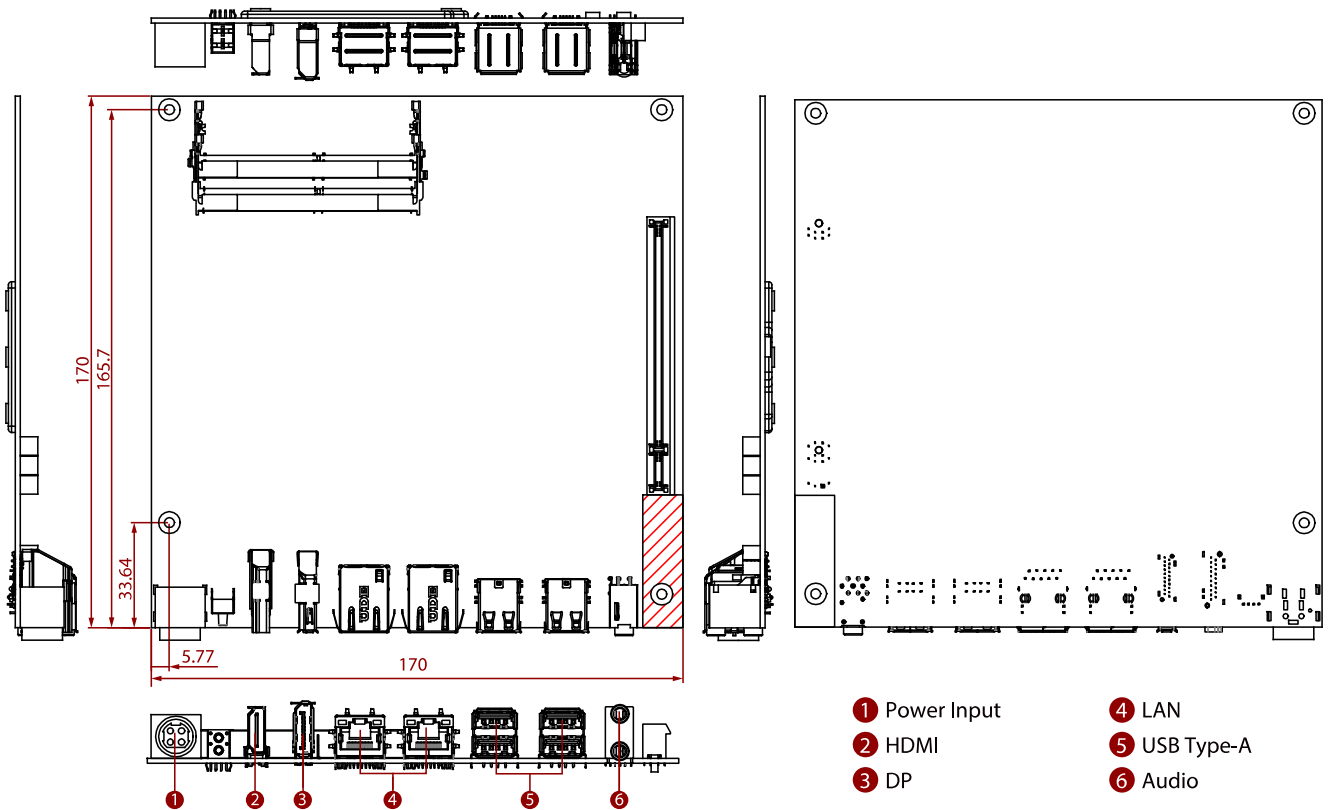
內部訊號埠

電源輸入	1 x 4pin(2x2) for 12V DC in 1 x 6pin(1x6) for 12V DC in	電源輸出	2 x 2pin(1x2) red wafer for 5V DC out 1 x 2pin(1x2) yellow wafer for 12V DC out
USB接口	2 x 8pin(2x4) for 4 x USB 3.2 Gen.1 2 x 8pin(2x4) for 2 x USB2.0	序列埠	2 x 10pin(2x5) for RS232 2 x 10pin(2x5) for RS232/422/485
顯示	1 x 40pin DF13 connector for LVDS 1 x 30pin DF13 connector for eDP (Optional)	背光	1 x 7pin(1x7) for panel backlight
串行ATA	2 x SATA III 1 x 8pin(2x4) for SATA power	數位輸入/輸出	1 x 14pin(2x7) for Digital input/output
VR	1 x 3pin(1x3) for Digital panel backlight brightness control 1 x 3pin(1x3) VR/Software brightness switch jumper 1 x 3pin(1x3) PWM/DC brightness switch jumper 1 x 3pin(1x3) 3.3V/5V PWM Level switch jumper	風扇	1 x 3pin(1x3) for CPU Fan 1 x 3pin(1x3) for System Fan

前控制面板	1 x 10pin(2x5) for OSD control	喇叭	2 x 2pin(1x2) for Speaker
後備電池	1 x RTC battery holder	BIOS除錯	1 x 10pin(2x5) for LPC debug
認證			
認證	CE, FCC		
機構			
外觀尺寸	170 x 170 mm		
環境			
工作濕度	60 °C @ 95% RH, (non-condensing)	工作溫度	0~60°C
儲存溫度	-40~70°C		
配件			
配件	Manual & Driver CD		

DIMENSIONS UNIT:MM

Winmate IF70



NOTE

1. This is a simplified drawing and some components are not marked in detail.
2. Please contact our sales representative if you need further product information.
3. All specifications are subject to change without prior notice.
4. The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/O, please contact the Winmate Sales Team for more information.