

ITMH100-AI Intel(R) Core(TM) i5-1135G7 Edge AI Computer

Manufacturer part number: ITMH100-AI | Edge AI Computing



Explore Winmate ITMH100-AI, an edge AI computer featuring Intel(R) Core(TM) i5-1135G7 for machine vision and edge AI inference.

System Specification	
Processor	Intel Core i5-1135G7 2.4GHz (up to 4.2GHz)
Memory	2 x SO-DIMM, DDR4 3200 MHz, 4GB (Default), 8GB (Optional), 16GB (Optional), 32GB (Optional)
Storage	2 x 2.5" Removable 256GB SSD up to 512GB
Ethernet controller	Intel(R) Ethernet Controller I211-AT +, Intel(R) Ethernet Connection I219-LM
Security	Trusted Platform Module (TPM) 2.0
Operating System	Windows 11 IoT Enterprise (64 bit) (Optional), Windows 11 Pro 64 bit (Optional), Linux Ubuntu 22.04(Do not support Wake on Touch) (Optional)
WLAN	Support (Optional)
BT	Support (Optional)
Expansion Port	Modular Design for easy service in the field
AI Accelerator	Hailo 8(TM) AI accelerator module, up to 26 TOPS
Mechanical	
Dimension	276 x 207 x 60 mm
Weight	3.0 kg
Mounting	VESA Mount
Enclosure	Metal Housing
Cooling System	Fanless design
Environment	
Operating Humidity	10% to 90% RH, Non-Condensing
Operating Temperature	0 deg C to 50 deg C
Storage Temperature	-10 deg C to 60 deg C
Certification	
Certification	CE, FCC
IO Ports	
USB Port	4 x USB 3.2 Gen.1 (Type-A)
Serial Port	2 x RS232/422/485 (Default RS232)
LAN	2 x Giga LAN RJ45 Connector

Video	1 x DP1.4 (Default), 1 x HDMI 2.0 (Optional)
Audio	1 x Audio Combo Connector (Mic in / Line Out)
Expansion Port	1 x mPCIe slot, 1 x PCIe x16 slot (x4 signal)(module max size:180x121mm), 1 x M.2 2230 Key E slot for WiFi , Swappable 2.5" HDD/SSD Bay Slot
Indicator	1 x LED Indicator for storage
Power Input	1 x 9~29V DC, 3-Pin Terminal Block
Control	
Button	1 x Power Button with LED Indicator, 1 x Reset Button
Accessory	
Accessory	100~240V AC to DC Adapter, Power Cord, Open Wire Cable with terminal block connector, VESA screws
Power	
Power Rating	9V~29V DC with protection fuse
Adapter	12V 84W
Consumption	45W~55W