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# 司騰達股份有限公司

HMS 台灣總代理 – Remote Access 跨國遠端連線與自動化工業的最佳選擇

司騰達公司致力於推廣數位化工廠和 IIoT 工業物聯網的解決方案，並與歐洲最先進的公司 – HMS 集團合作，同時透過引進更多歐美的技術能量，提供客戶關於工業 4.0 的顧問諮詢服務，並將教育與產業連結，協助台灣產業逐步完成從現場設備、生產資訊、通訊 IoT 的垂直整合，並整合 M2M 工業總線與軟體開發，從而實現數位化工廠與自動化機械領域的創新。

LINE



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# NISE 3900E5-JM



## Main Features

- Support 9th Generation Intel® Core™ i5 LGA socket type embedded processor
- Support 1 x 2.5" SATA SSD
- 1 x DVI-D, 1 x DP, and 1 x HDMI with independent display support
- Three Intel® GbE LAN ports; support WoL, teaming and PXE
- 1 x External M.2 socket and 1 x SIM card socket
- 6 x USB 3.1 Gen 1, 4 x USB 2.0
- 2 x RS232/422/485 with auto flow control & 2 x RS232
- 1 x Internal mini-PCIe socket support optional Wi-Fi/3.5G/4G LTE
- Support +9V to 30VDC input; ATX power mode
- One PCIe x4 expansion

## Product Overview

Integrated with 9th Generation Intel® Core™ i5 processors, NISE 3900 series is the fanless PC designed for industrial applications which demand high CPU and graphics performance. NISE 3900 series supports up to 32G DDR4 memory and have several options on storage devices like M.2, SSD. NISE 3900 series supports wide range of DC input from +9V to 30V DC input, and can be operated in an extended operating temperature range between -5 to 55 Celsius degree. For extended module availability, NISE 3900 series also designed one internal mini-PCIe sockets to support IoT wireless connectivity applications (support optional Wi-Fi, 3.5G, 4G LTE modules).

## Specifications

### CPU Support

- Support 9th Generation Intel® Core™ i5 LGA socket type embedded processor
  - Intel® Core™ i5-9500TE, 6 Core, 2.2GHz
- Turbo-boost disabled by default

### Main Memory

- 2 x DDR4 2400/2666 SO-DIMM socket, support up to 32GB

### Display Option

- Three independent display
  - HDMI + DP+ DVI-D
- Dual independent display
  - HDMI + DP
  - HDMI + DVI-D
  - DP + DVI-D

### Front I/O Interface Status LEDs

- 3 x LAN active LEDs
- 2 x GPO status/COM1/2 TX/RX LEDs
- 1 x SSD access LEDs
- 1 x Battery low
- 1 x M.2

### Front I/O Interface

- 1 x ATX power on/off switch
- 1 x DP
- 1 x Line-out and 1 x Mic-in
- 2 x Antenna holes
- 1 x External M.2 socket (M-Key)
- 1 x SIM card holder
- 4 x USB 2.0 ports (500mA per each)

### Rear I/O Interface

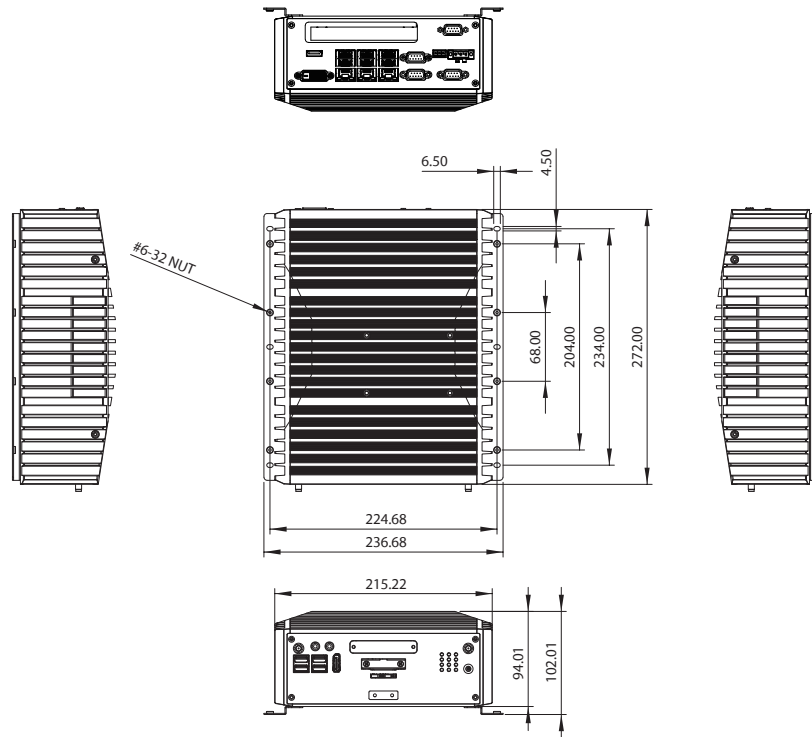
- 4 x DB9 for COM1 to COM4
  - COM1/2: RS232/422/485 auto flow control
  - COM3/4: RS232
- 6 x USB 3.1 ports (900mA per each)
- 1 x DVI-D port
- 1 x HDMI port
- 2 x Intel® I210-IT GbE LAN ports; support WoL, teaming and PXE
- 1 x Intel® I219-LM GbE LAN port
- 1 x 3-pin remote power on/off switch
- +9V to 30V DC input

### Internal I/O

- 8CH GPIO: internal pin header, supports 4 x GPO and 4 x GPI, TTL 5V level
- Onboard TPM2.0 (SLB9665) for data encryption purposes



## Dimension Drawing



- 1 x Internal M.2 (B-key), supports optional LTE

### Storage Device

- 1T SSD

### Expansion Slot

- One PCIe x4 expansion slot
  - Add-on card length: 169mm max.
  - Power consumption: 10W/slot max.
- 1 x Internal mini-PCIe socket support optional Wi-Fi/3.5G/4G LTE

### Power Requirements

- AT/ATX power mode (default: ATX power mode)
- Power input: +9 to +30V DC
- Power adapter: optional AC to DC power adapter (24V DC, 120W)

### Dimensions

- 215 mm(W) x 22 mm (D) x 94mm (H) without wall mount bracket (8.5" x 10. " x 3. ")

### Construction

- Aluminum and metal chassis with fanless design

### Environment

- Operating temperature:
  - Ambient with air flow: -5 C to 55
  - (according to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14)
- Storage temperature: -20 C to 80 C
- Relative humidity: 10% to 95% (non-condensing)
- Shock protection:
  - SSD: 20G, half sine, 11ms, IEC60068-2-2

- M.2: 50G, half sine, 11ms, IEC60068-2-2
- Vibration protection with SSD M.2 condition:
  - Random: 2Grms 5 500 Hz, IEC60068-2-64
  - Sinusoidal: 2Grms 5 500 Hz, IEC60068-2-6

### Certifications

- CE approval- EN61000-6-2- EN61000-6-4
- FCC Class A
- UKCA

### OS Support Lists

- Windows 10 64-bit

### Weight Information

- Gross weight: 6.54kg
- Net weight: 5kg

### 訂購型號：

### Jmobile 產線圖控可視化軟體

- NISE3900E5-JM-BHP

CPU : Intel® Core™ i5-9500TE, 6 Core, 2.2GHz / 32G RAM / 1T SSD / OS: Win10 64bit  
HMI Software license: Jmobile Runtime 10000 tag with 4 web client support



# 司騰達股份有限公司

自動化工業與跨國遠端連線的最佳選擇

Ewon Flexy205

VPN+IOT 物聯網模組

Ewon Cosy

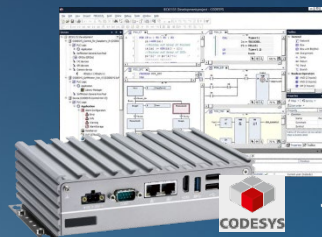
VPN 遠端連線



Anybus X-Gateway



CODESYS SoftPLC



Jmobile HMI/SCADA IPC



## 工業 4.0 數位工廠與 工業物聯網解決方案

i4-SCADA IPC



WAGO750 Remote IO  
EtherCAT / PROFINET



SIEMENS ET 200SP  
PROFINET Remote Io



MR JET 系列  
EtherCAT 伺服馬達



eSMART Web HMI  
Esmart04/07/10

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