Malaysia Productivity Corporation (MPC)

Virtual Training on Application of Industrial Internet of Things

Quotation No: QE210622-01-04

Prepared by:

Etronix Sdn Bhd

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01	22/06/2021	Virtual Training on Application of Industrial Internet of Things	Alex Eng	Yes
02	01/07/2021	Revised quotation	Alex Eng	Yes
03	05/07/2021	Revised quotation to include SST	Alex Eng	Yes
04	**22/07/2021**	**Revised Quotation Date**	**Alex Eng**	**Yes**

Target Readership
The intended audience for this document is MPC's review team.

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Etronix Sdn Bhd (hereby referred to as ETRONIX) is pleased to provide a response to Malaysia Productivity Corporation (here by referred to as MPC).

Etronix Sdn Bhd

1. Total Cost of Ownership

1. Virtual Training on Application of Industrial Internet of Things

Item	Description	Unit Price (RM)	Qty	Total Price (RM)
Training Program				
1	**Virtual Training on Application of Industrial Internet of Things** - Training Hour: 3 hours per company - Total Company: 20 companies - Total Training Hour: 60 hours - Training Duration: 2 weeks - Mode of Delivery: Online - Training Kit: Provided by Trainer **Remarks:-** Please refer to Appendix A for the Training Syllabus	283	60	16,980.00
Training Kit				
2	**NISE 50C IoT Gateway** - Onboard Intel® Atom™ processor E3826 dual core, 1.46GHz - 1 x HDMI display - 1 x Intel® I210AT GbE LAN ports; support WoL and PXE - 4 x USB 2.0 - 3 x COM ports with RS232, each port only have Tx/Rx/GND - 3 x Optional interface for optional Wi-Fi/3.5G/LTE modules - Support -5~55 degree C extended operating temperature - Support 12V DC input **Remarks:-** Please refer to Appendix B for the Hardware Specification	1,500	20	30,000.00
			Sub Total	46,980.00
			SST 6%	1,018.80
			Grand Total	47,998.80

Terms and Conditions:

1. Etronix Service Tax Registration No: *J31-1808-32000193*
2. This quotation is quoted in Malaysia Ringgit
3. Hardware Delivery Lead Time: 3 Weeks from PO Date
4. Price Validity: 14 Days
5. Payment Terms: 30 Days from Invoice date

1.1 Payment Schedule

Item	Project Events	Payment
Item 1 Training Program	50% upon half completion of Training	50%
	50% upon completion of Training	50%
Item 2 Training Kit	50% upon half completion of Training	50%
	50% upon completion of Training	50%

Yours faithfully,

Etronix Sdn Bhd

Alex Eng

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Appendix A – Propose Training Syllabus

1	**Application of Industrial IoT**	0.5 H
	1. Introduction and application of IoT	
	2. Sensor level	
	3. Network level	
	4. Application level	
2	**Developing Tools and Applications (Gateway Software)**	1 H
	1. Remote Monitoring Software Introduction	
	2. Diversity of IoT	
	3. Developing Tools and Applications	
	4. Remote Monitoring Software Features	
	5. How to Start?	
3	**Hand-on Practical (online guide)**	1.5 H

NISE 50C

Intel® Atom™ Processor E3826 Dual Core Fanless System

Microsoft Azure
Certified

Main Features

- Onboard Intel® Atom™ processor E3826 dual core, 1.46GHz
- 1 x HDMI display
- 1 x Intel® I210AT GbE LAN ports; support WoL and PXE
- 4 x USB 2.0

- 3 x COM ports with RS232, each port only have Tx/Rx/GND
- 3 x Optional interface for optional Wi-Fi/3.5G/LTE modules
- Support -5~55 degree C extended operating temperature
- Support 12V DC input

Product Overview

Powered by the latest generation of Intel® Atom™ processor E3826 (formerly codenamed "Bay Trail-I"), NISE 50C presents intelligent PC-based controller and IoT gateway for factory automation. Up to 2G onboard DDR3L memory. The NISE 50C support operating temperature from -5 up to 55 degree C with typical DC input 12V. The NISE 50C has high integration ability with optional mini-PCIe module and 3 x COM ports which makes it a reliable connection with devices in factory automation applications, IoT applications (with optional Wi-Fi, 3.5G/4G LTE module) and communication applications (with optional GPIO, RS232). NISE 50C is definitely the top choice for M2M intelligent system as a factory automation controller and gateway.

Specifications

CPU Support
- Onboard Intel® Atom™ processor E3826 Dual Core, 1.46GHz
- Support Intel® Atom™ E3800 processor family from Single Core E3815, Dual Core E3825/E3826/E3827 and Quad Core E3845 with difference SKUs

Main Memory
- Onboard 2GB DDR3L 1066/1333 RAM, un-buffered and non-ECC, max up to 2GB

Display Option
- 1 x HDMI display

I/O Interface-Front
- ATX power on/off switch
- 1 x Wi-Fi/1 x GSM LEDs
- 1 x SIM card holder
- 1 x Intel® I210AT GbE LAN ports; support WoL and PXE
- 1 x HDMI display output
- 4 x USB 2.0 (500mA per each)
- 2 x Antenna Holes for optional Wi-Fi/3.5G antenna

I/O Interface-Rear
- 3 x DB9, only support RS232 Tx/Rx/GND single
- 1 x Line-out
- Support 12V DC INPUT

I/O Interface - Internal
- 4 x GPI and 4 x GPO (5V, TTL type)
- 1 x DB9, only support RS232, Tx/Rx/GND single

Storage Device
- Onboard 16GB EMMC

Expansion Slot
- 3 x mini-PCIe socket for optional Wi-Fi/3.5G modules

Power Requirements
- Power input: 12Vdc
- 1 x optional 12V, 60W power adapter

Support OS
- Windows 8.1
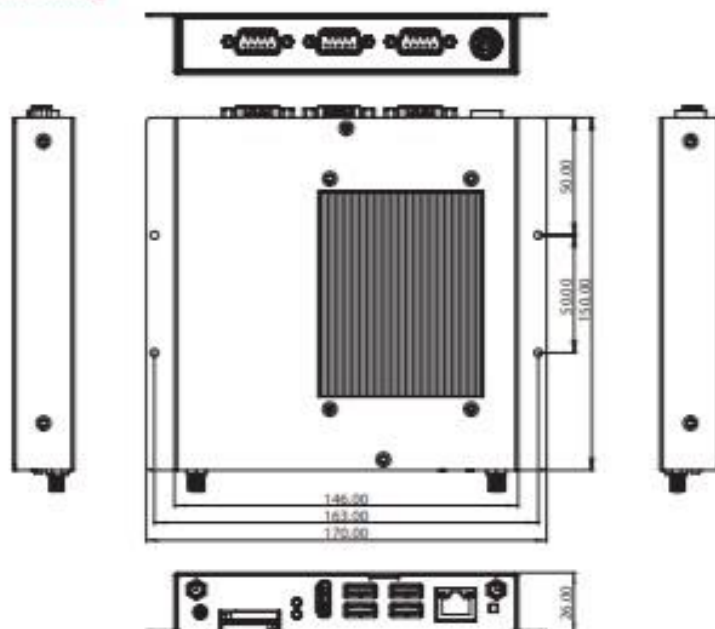- Windows Embedded Standard 8
- Windows 10 IoT core
- Android 4.4

Dimensions
- 146mm(W) x 26mm(H) x 150mm(D) without wall-mount bracket

Construction
- Aluminum and metal chassis with fanless design

NEXCOM

Dimension Drawing

Environment
- Operating temperature:
  Ambient with air flow: -5°C to 55°C
  (according to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14)
- Storage temperature: -20°C to 75°C
- Relative humidity: 10% to 95% (non-condensing)
- Shock protection:
  - EMMC: 50G, half sine, 11ms, IEC60068-2-27
- Vibration protection w/ EMMC condition:
  - Random: 2Grms @ 5~500 Hz, IEC60068-2-64
  - Sinusoidal: 2Grms @ 5~500 Hz, IEC60068-2-6

Certifications
- CE
- FCC Class A

Ordering Information

- **NISE 50C (P/N: 10J00005001X0)**
  Intel® Atom™ processor E3826 Dual Core fanless system

- **12V, 60W AC/DC power adapter w/o power cord**
  (P/N: 7400060017X00)