

## InnoAgent EZ2N-0XL1

Out-of-Band Remote Management Module

### HIGHLIGHT FEATURES

- Nuvoton NUC980 32bit Microprocessor
- Remote Power On / Off / Reset
- Programmable Remote Control GPIO
- Optional Support I<sup>2</sup>C Function
- Support Remote UART / RS232 Data Transmission
- Support OT Device without Network Connection
- In-Band Heartbeat Agent to Check Device Alive

### SPECIFICATIONS

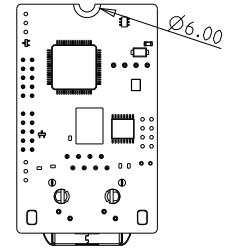
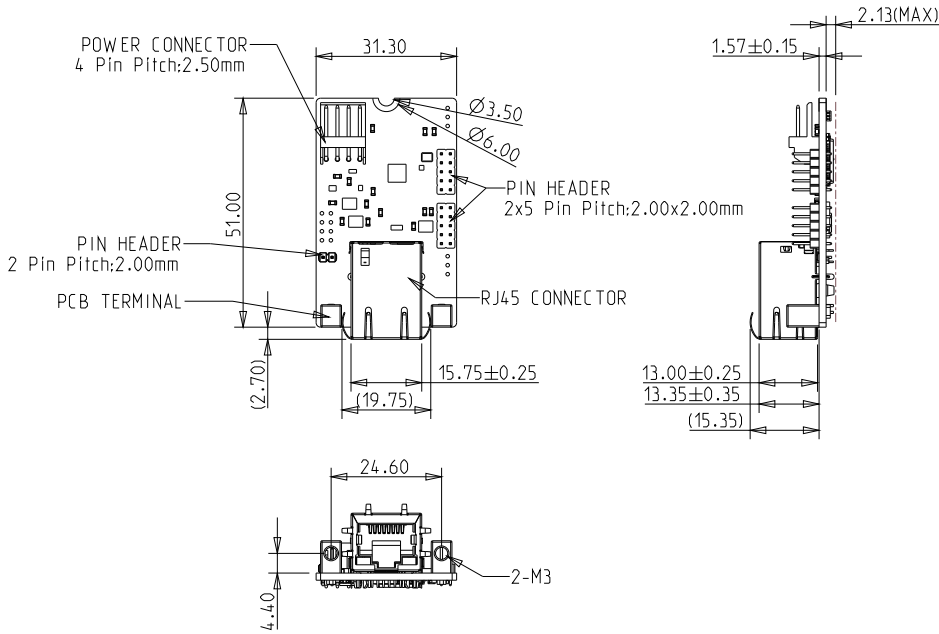
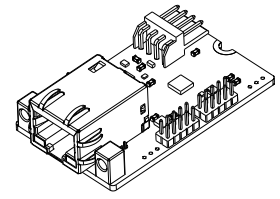
<b>Model Name</b>	InnoAgent EZ2N-0XL1
<b>Network I/F</b>	10 / 100 Mbps LAN (RJ45)
<b>Network Protocol</b>	MQTT
<b>Host I/F</b>	3.3V UART, RS232 (Pitch 2.0mm Pin Header)
<b>Remote Control I/O</b>	6 x 3.3V GPIO (2 GPIO Can be I <sup>2</sup> C) 2 x Power SW (Pitch 2.0mm Pin Header)
<b>Factory Reset</b>	Pitch 2.0mm Pin Header
<b>Power Source</b>	+5V Standby Power Input (4pin floppy male connector)
<b>Max. Power Consumption</b>	1.125W (5V, 225mA)
<b>Dimension (W x L x H/mm)</b>	51 x 31.3 x 19.05
<b>Temperature</b>	Operation : -40°C ~ 85°C (Ta) Storage : -55°C ~ 95°C (Ta)
<b>Vibration</b>	5G @[7~2000Hz]
<b>Shock</b>	50G@0.5ms
<b>Warranty</b>	3 Years
<b>Notes</b>	Provide MQTT topic and payload for third party cloud platform.

### ORDER INFO.

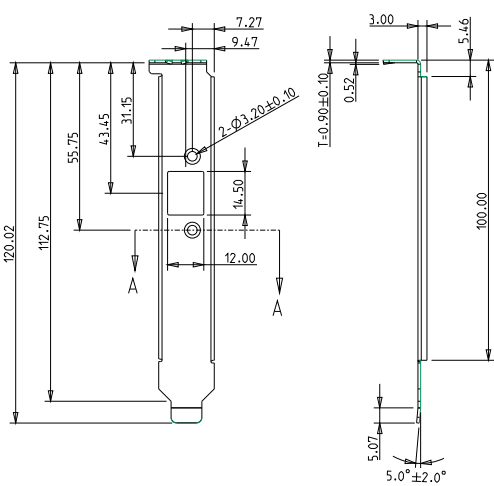
P/N	Description
EZ2N-0XL1-W1	Out-of-Band Remote Management Module, Private Cloud : SDK, iCAP 2.0
EZ2N-0XL1-W3	Out-of-Band Remote Management Module, Private Cloud : with Standard Bracket
EZ2N-0XL1-W4	Out-of-Band Remote Management Module, Private Cloud : with Low-Profile Bracket

# MECHANICAL DRAWING

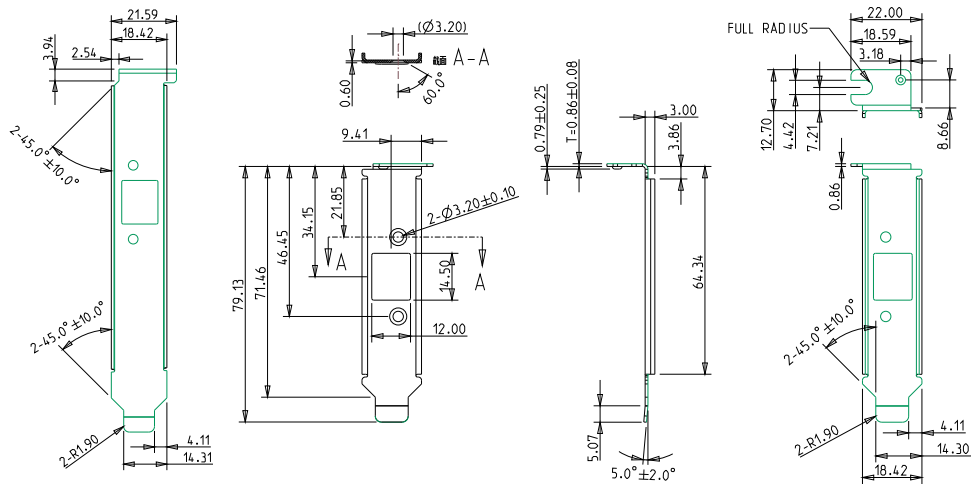
## InnoAgent Module



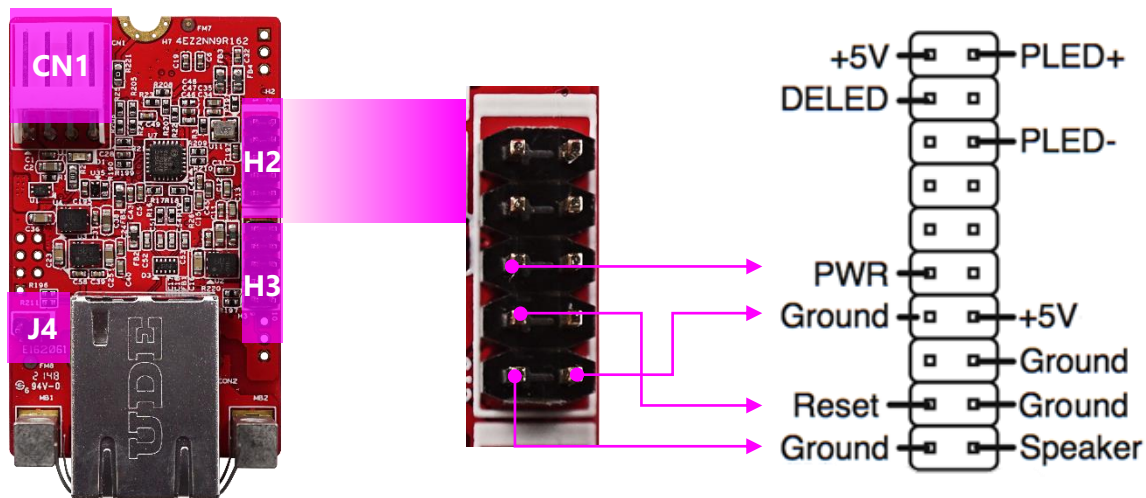
## PCIe Standard Bracket



## Low-Profile Bracket



# PIN DEFINE & WIRING DIAGRAM REFERENCE



1 x 4 Power Connector (CN1)		1 x 4 Pin Header (J4)	
1	+5V	1	RS232_RX
2	GND	2	RS232_TX
3	GND		
4	NC		

2 x 5 Pin Header (H2)			
1	Programmable GPIO1 (I2C_SDA)	2	Programmable GPIO2
3	Programmable GPIO3 (I2C_SCL)	4	Programmable GPIO4
5	Power Switch 1	6	Programmable GPIO5 (InnoOSR Recovery)
7	Power Switch 2	8	Programmable GPIO6 (InnoOSR Status)
9	GND	10	GND

2 x 5 Pin Header (H3)			
1	MCU Reboot	2	SDK/iCAP Config Reset
3	GND	4	GND
5	UART_Debug_TX	6	UART_TX
7	UART_Debug_RX	8	UART_RX
9	+5V	10	+5V

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