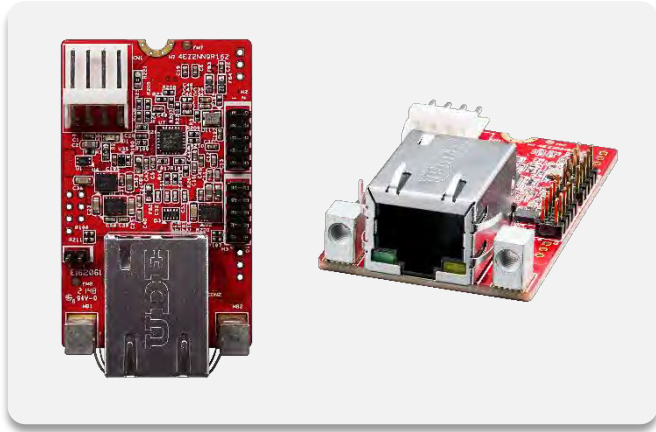


InnoAgent EZ2N-OXL1

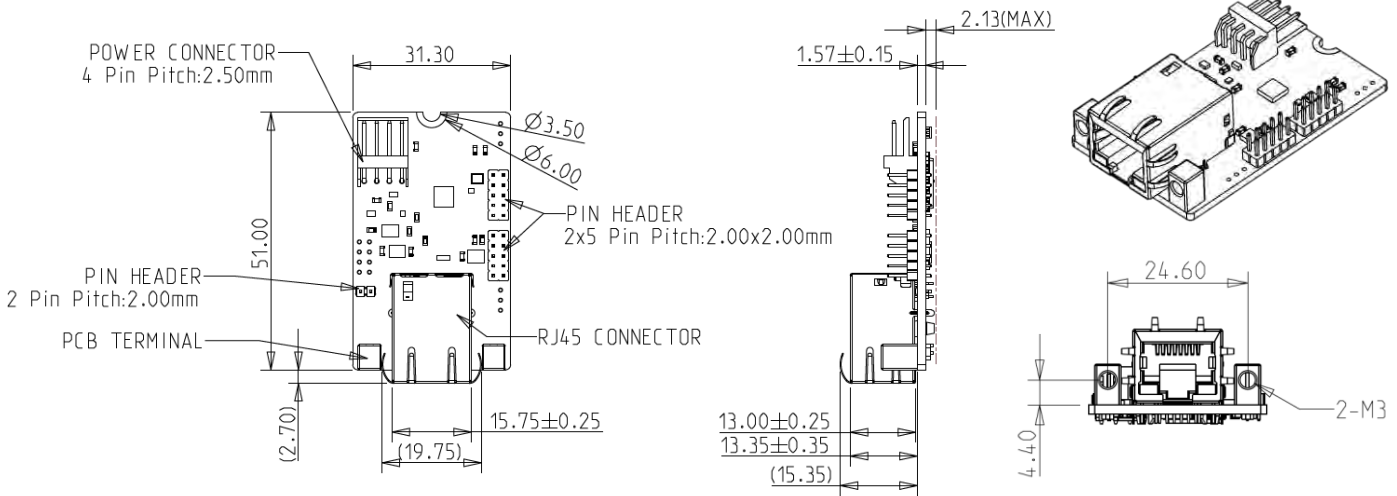
Out-of-Band Remote Management Module



Features

- Nuvoton NUC980 32bit Microprocessor
- Remote Power On/Off/Reset
- Programmable Remote control GPIO
- Support Remote UART/RS232 Data Transmission
- Support OT Device without Network Connection
- In-Band Heartbeat Agent to Check Device Alive
- Standard MQTT Network Connection Protocol
- Support OTA Firmware Upgrade
- Complies with EN61000-4-2 (ESD) Air-15kV, Contact-8kV
- Operation temperature -40°C to +85°C support
- 30μ" **golden finger**, 3-year warranty
- Industrial design, manufactured in Innodisk Taiwan

Mechanical Drawing



Hardware Specifications

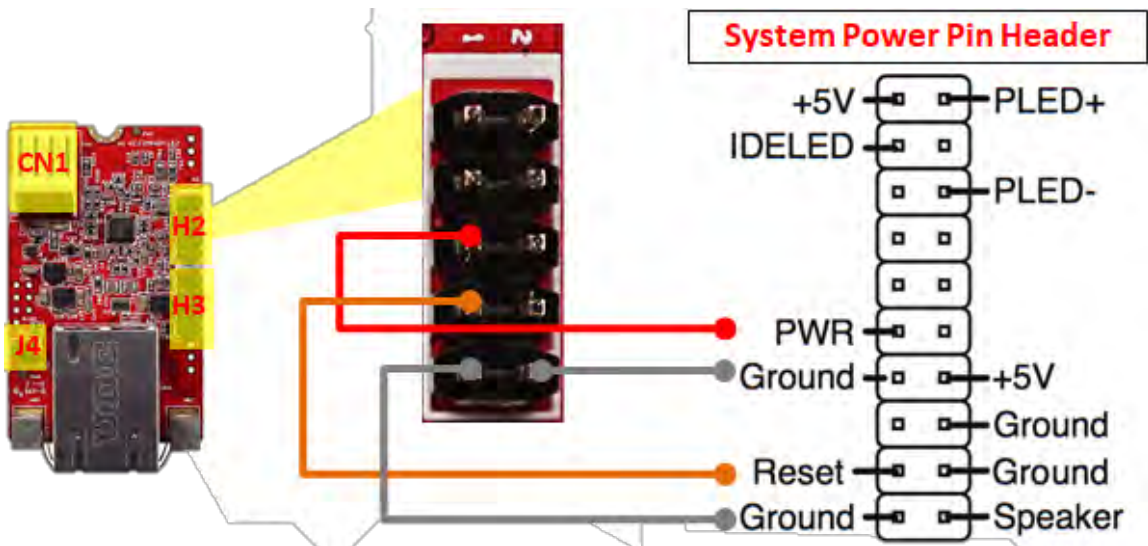
Network I/F	10/100 Mbps LAN (RJ45)
Network Protocol	MQTT
Host I/F	3.3V UART, RS232 (Pitch 2.0mm Pin Header)
Remote Control I/O	3.3V GPIO x 6, Power SW x2 (Pitch 2.0mm Pin Header)
Factory Reset	Pitch 2.0mm Pin Header
Power Source	+5V Standby Power Input (4pin floppy male connector)
TDP	MAX: 1.125W (5V, 225mA)
Dimension (WxLxH)	51 x 31.3 x 19.05 mm
Temperature	Operation: -40°C ~ +85°C, Storage: -55°C ~ +95°C
Environment	Vibration: 5G @7~2000Hz, Shock: 50G @ 0.5ms
Notes	*Please download Software Develop Kit (SDK) & user manual from Myinnodisk Website *Provide MQTT topic & payload for third party cloud platform

Order information

EZ2N-OXL1-W1

InnoAgent OOB Remote Management Module

Pin Define & Wiring Diagram Reference



1x4 Power Connector Pin Define (CN1)	
Pin #	Signal Name
1	+5V
2	GND
3	GND
4	NC

2x5 Pin Header Pin Define (H2)			
Signal Name	Pin #	Pin #	Signal Name
Programmable GPIO1	1	2	Programmable GPIO2
Programmable GPIO3	3	4	Programmable GPIO4
Power Switch 1	5	6	Programmable GPIO5
Power Switch 2	7	8	Programmable GPIO6
GND	9	10	GND

2x5 Pin Header Pin Define (H3)			
Signal Name	Pin #	Pin #	Signal Name
MCU Reboot	1	2	Config Reset
GND	3	4	GND
UART_Debug_TX	5	6	UART_TX
UART_Debug_RX	7	8	UART_RX
+5V	9	10	+5V

1x2 Pin Header Pin Define (J4)			
Signal Name	Pin #	Pin #	Signal Name
RS232_RX	1	2	RX232_TX