Ajax
Allxon swiftDR OOB Enabler

A hardware module that provides secure Out-Of-Band device monitoring and management functions over the connected edge system.

Features

- ARM9 microprocessor embedded
- Low power consumption of less than **0.5 W**
- Built-in Allxon **Out-Of-Band (OOB)** service agent, capable of supporting both **public** and **local** network environment architectures
- Includes a **fully secure** central portal for remote device management
- Supports **complete power control** over the edge system when the system is unresponsive

Specification

Out-Of-Band Monitoring and Management Functions	
Allxon swiftDR for Power Cycling	• Edge Device Force Shutdown • Edge Device Power Switch • Edge Device Reset
Signal Interface	
Remote Control	2 Sets x Power Switch (PSW/GND) 2 Sets x Power Reset (RST/GND)
Factory Reset	Factory Reset Button (5 Seconds Pressed)
LED Indicator Lights	• MCU Power On/Off Indication • Allxon Service Activation Indication
Network Interface	
Ethernet	1-port 10/100 Mbps RJ45 Ports
Protection	1.5 KV Magnetic Isolation
Power Requirement	
Power input	1 set x power input (+5V standby/GND)
Power Consumption	< 0.5 W
Hardware	
Dimensions	40 x 35.15mm (without bracket) 43.4 x 35.15mm (with bracket) 120.02 x 40mm (with full-height bracket)
Environment	
Operating Temperature	-20 to 70ºC (-4 to 158ºF)
Operating Humidity	5 to 90% (non-condensing)
Storage Temperature	-40 to 85ºC (-40 to 185ºF)
Certification	CE / FCC, RoHS & REACH Compliant

Dimensions

- 40 x 35.1mm (without bracket)
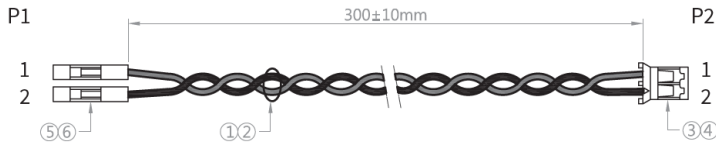
- 43.4 x 35.1mm (with bracket)
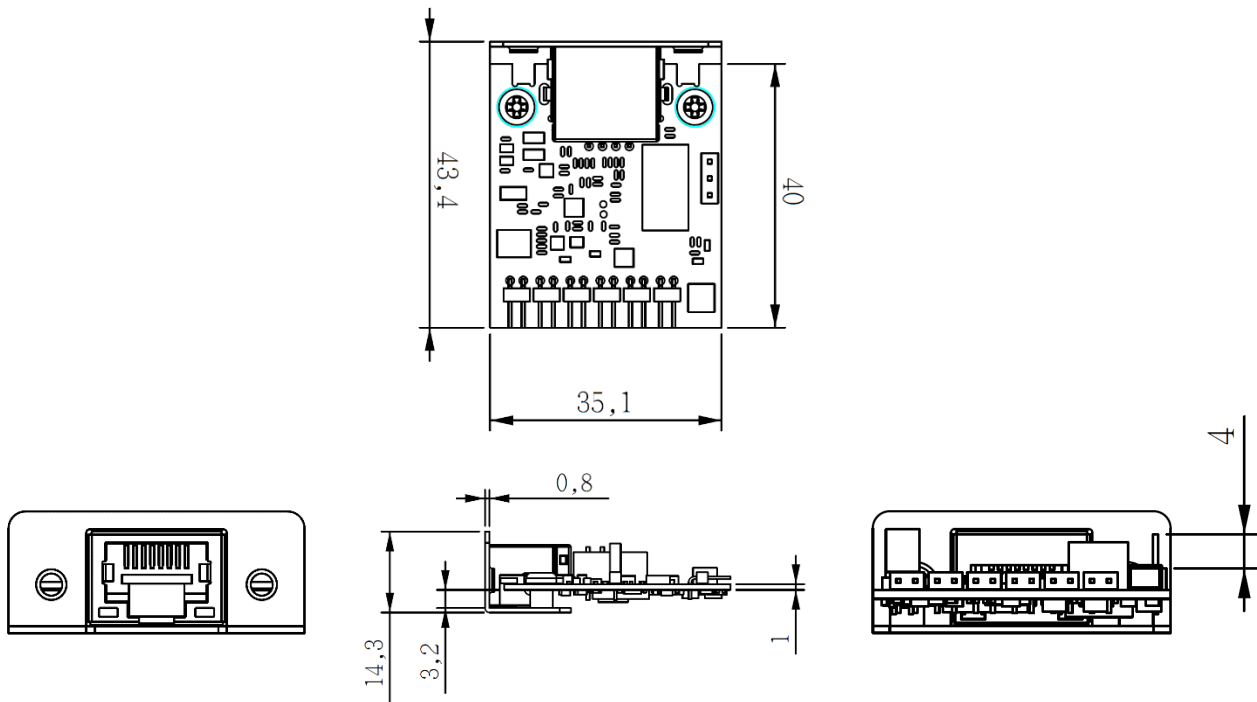
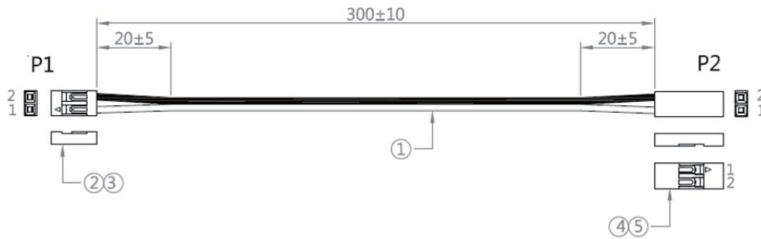- 120.02 x 40mm (with full-height bracket)
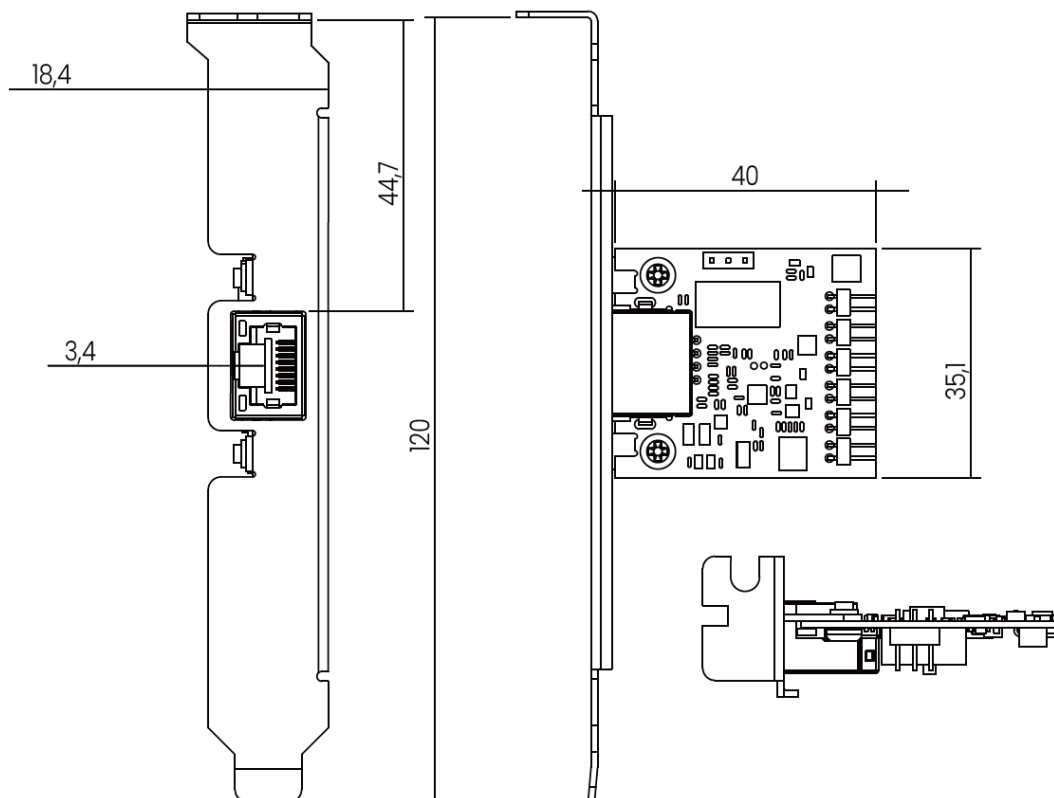
Accessories

- Power cable

CONNECTION DETAIL		
P1	COLOR	P2
1	GREY/ 红色	1
2	BLACK/ 黑色	2

- 2.0 pitch to 2.54 pitch cable (300 mm)

CONNECTION DETAIL		
P1	COLOR	P2
1	WHITE/ 白色	1
2	BLACK/ 黑色	2

Connection Diagram
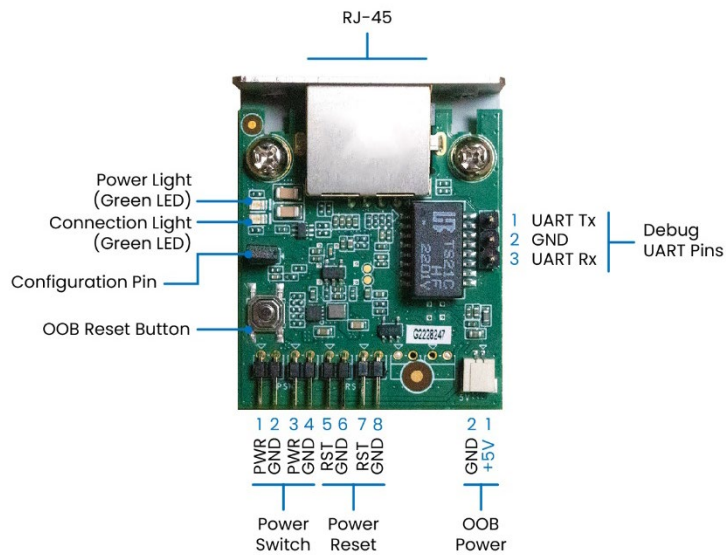
	Power Switch		Power Reset		Device Power		Debug UART Pin
1	PWR-BTN	5	RST-BTN	1	+5V	1	UART Tx
2	GND	6	GND	2	GND	2	GND
3	PWR-BTN	7	RST-BTN			3	UART Rx
4	GND	8	GND				

System & Network Configuration Guide

With Allxon swiftDR OOB Enabler embedded in your edge device, proceed to system and network configuration by following these steps:

☑ Input **IP Address: 192.168.0.100** on the browser of the device that is now connected to Allxon OOB (via an Ethernet cable) to enter the sign-in page.

☑ **Sign-In Page**:

Default Username: admin

Default Password: 0000

The user can change the password in the setting page.

☑ **Configuration Settings Page (Left Half):**

Supported Network Environment

Edge Mode: for local network connection
Cloud Mode: for Internet network connection to Allxon Device Management Solutions (default)

Information of Allxon swiftDR OOB Enabler

to Clipboard: copy serial number to the clipboard

Steps to Upgrade Firmware

1 **Choose File**: select the upgraded firmware

2 **Start Upgrading**: start to update the selected firmware

3 During upgrading process, LED lights on the board should start blinking

4 After firmware upgrade, LED should stop blinking

☑ **Configuration Settings Page (Right Half):**

💡 **Network IP mode**

Disable: fixed IP (default)
Enable: DHCP

💡 **IP Settings**

Default Settings (DHCP Disable Mode)
IP: 192.168.0.100
Net Mask: 255.255.255.0
Default Gateway: 192.168.0.254
Primary DNS: 8.8.8.8
Secondary DNS: 192.168.0.254
Primary NTP Server: 216.239.35.0
Secondary NTP Server: 216.239.35.0

💡 **Change Admin Password**

Default Password: **0000**

💡 **Actions**

Apply: apply all changed settings
Reset: Restore System Configuration and Network Settings to default

*please note that after clicking **Reset**, the user must press **Apply** for the confirmation.

Network Settings

DHCP	Disable ⌄
IP	192.168.0.100
Net Mask	255.255.255.0
Default Gateway	192.168.0.254
Primary DNS	8.8.8.8
Secondary DNS	192.168.0.254
Primary NTP Server	216.239.35.0
Secondary NTP Server	216.239.35.0

General Settings

Current Password	Type your current password
New Password	Type your new password
Confirm Password	Retype your new password

Reset   Apply

You have now completed system and network configuration.

If you would like to experience simple, swift, and smart Allxon remote device monitoring and management features, proceed to **Pairing Edge Device to Allxon Portal** to pair your edge devices to Allxon Portal.

*Note: Full remote features are only available under cloud mode setting.

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