

Allxon swiftDR OOB Enabler

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



Features

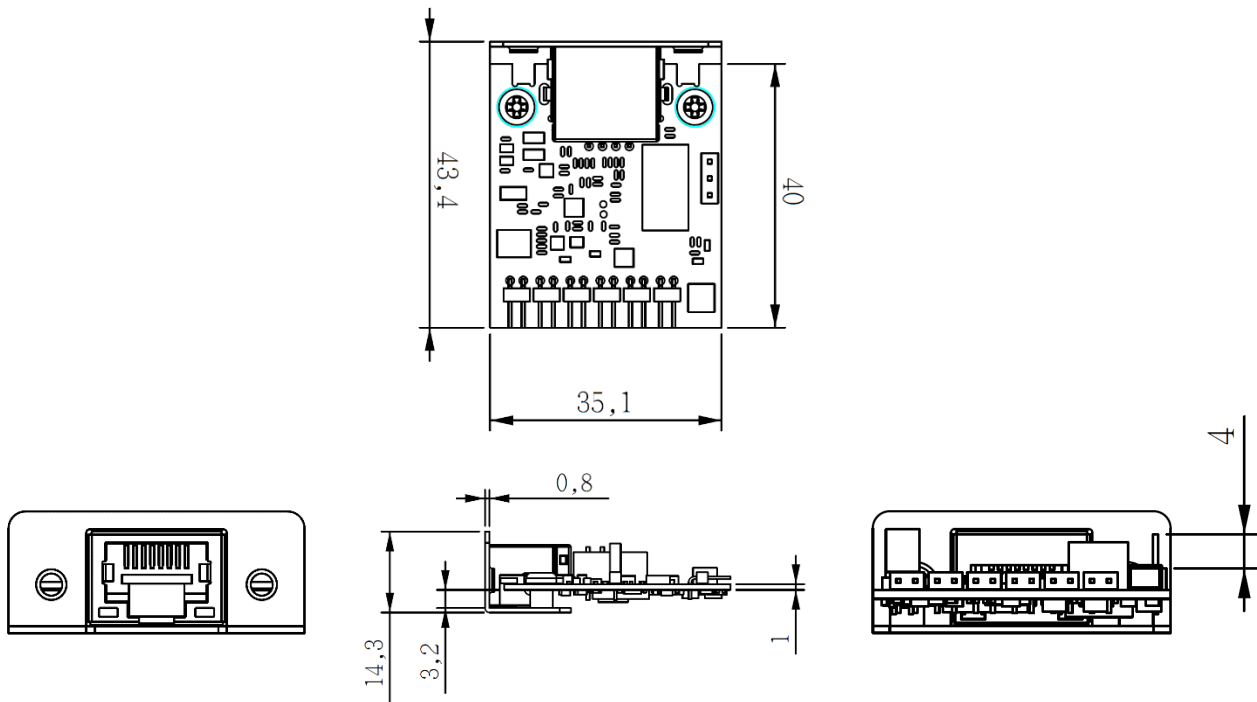
- ARM9 microprocessor embedded
- Low power consumption of less than **0.5 W**
- Built-in Allxon **Out-Of-Band (OOB)** service agent, capable of supporting both **public** and **local** network environment architectures
- Includes a **fully secure** central portal for remote device management
- Supports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

Specification

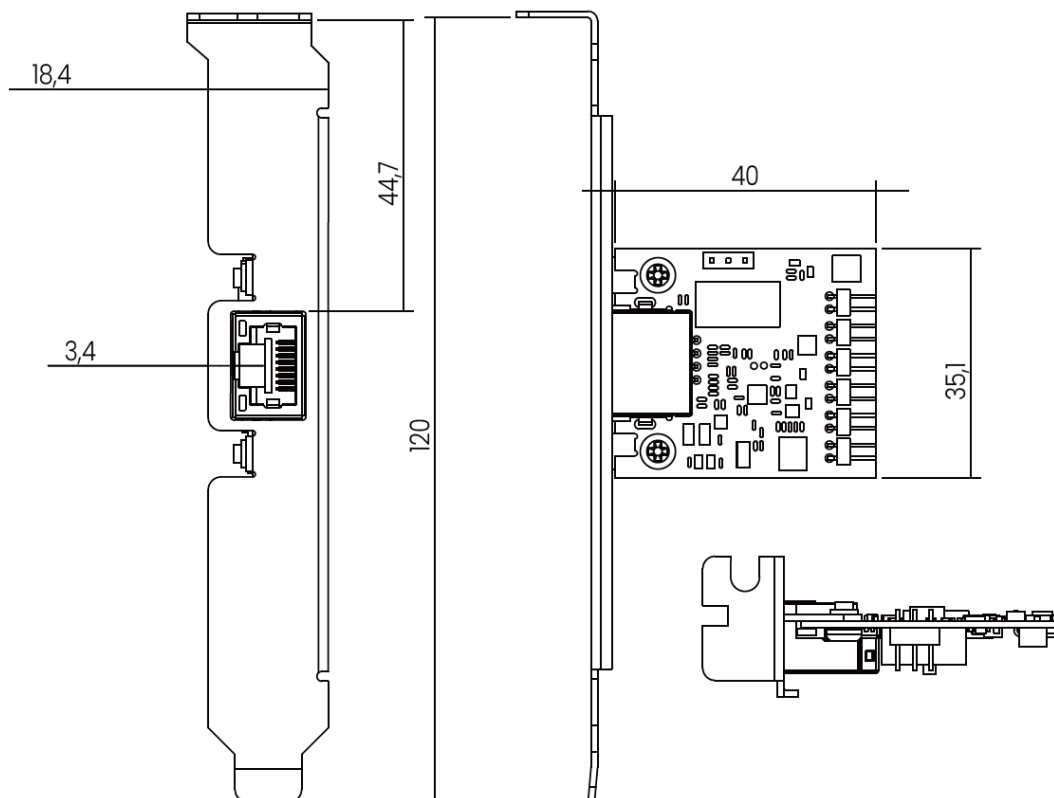
Out-Of-Band Monitoring and Management Functions	
Allxon swiftDR for Power Cycling	<ul style="list-style-type: none"> • Edge Device Force Shutdown • Edge Device Power Switch • Edge Device Reset
Signal Interface	
Remote Control	2 Sets x Power Switch (PSW/GND) 2 Sets x Power Reset (RST/GND)
Factory Reset	Factory Reset Button (5 Seconds Pressed)
LED Indicator Lights	<ul style="list-style-type: none"> • 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 70°C (-4 to 158°F)
Operating Humidity	5 to 90% (non-condensing)
Storage Temperature	-40 to 85°C (-40 to 185°F)
Certification	CE / FCC, RoHS & REACH Compliant

Dimensions

- 40 x 35.1mm (without bracket)
- 43.4 x 35.1mm (with bracket)

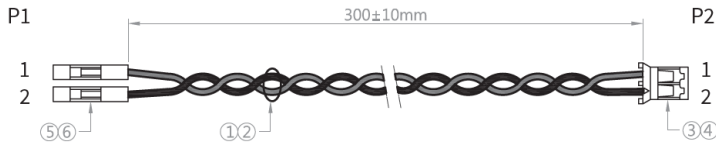


- 120.02 x 40mm (with full-height bracket)



Accessories

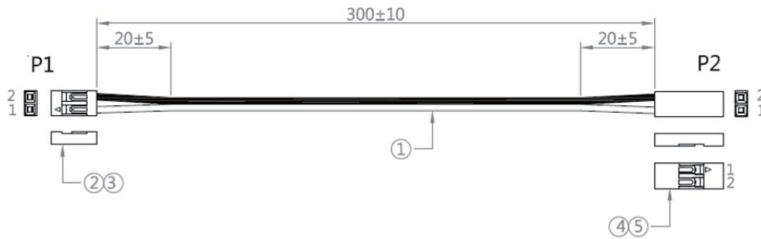
- Power cable



CONNECTION DETAIL

P1	COLOR	P2
1	GREY/ 紅色	1
2	BLACK/ 黑色	2

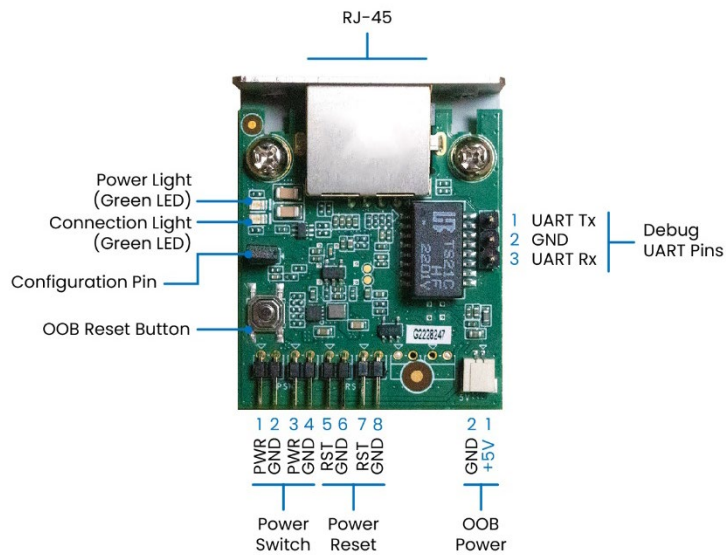
- 2.0 pitch to 2.54 pitch cable (300 mm)



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:**

The screenshot shows the Allxon Sign In page. On the left is a blue sidebar with the Allxon logo and tagline. The main area is a light gray form titled "Sign In". It includes a "Sign Up" link for users without an account, an "Email Address" field (pre-filled with "username@domain.com"), a "Password" field (pre-filled with "*****"), a "Remember me" checkbox, and a "Login" button. Two callout boxes provide default credentials: "Default Username: admin" and "Default Password: 0000". A note states that the password can be changed in the settings page. The footer contains the copyright notice: "Copyright © 2019-2020 Allxon Inc. All rights reserved."

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

The screenshot shows the left half of the Allxon Configuration Settings page. The "System Configuration" section is highlighted with a yellow box and contains: "Allxon swiftDR OOB Enabler Mode" (set to "Edge Mode"), "Model Name" (N4SDI14 5I2M), "Serial Number" (allxon12345678901234) with a "to Clipboard" button, "MAC Address" (19.5.10.0), "Firmware Version" (19.5.10.0), and "Firmware Upgrade" (No File Chosen) with "Choose File" and "Start Upgrading" buttons. Two callout boxes provide information: "Supported Network Environment" (Edge Mode for local, Cloud Mode for Internet) and "Information of Allxon swiftDR OOB Enabler" (to Clipboard: copy serial number). A "Steps to Upgrade Firmware" callout lists four steps: 1. Choose File, 2. Start Upgrading, 3. LED lights start blinking, 4. LED stops blinking. The right side of the page shows "Secondary NTP Server" (216.239.35.0) and password fields. The footer contains the copyright notice: "Copyright © 2019-2021 Allxon Inc. All rights reserved."

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

The screenshot shows the configuration settings page for an Allxon device. It is divided into several sections:

- Network IP mode:** A callout box explains that 'Disable' is fixed IP (default) and 'Enable' is DHCP.
- IP Settings:** A callout box lists default settings for 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, and Secondary NTP Server: 216.239.35.0.
- Change Admin Password:** A callout box states the default password is 0000.
- Actions:** A callout box defines 'Apply' as applying all changed settings and 'Reset' as restoring system configuration and network settings to default. It also includes a note: '*please note that after clicking **Reset**, the user must press **Apply** for the confirmation.'

The main interface includes a 'Network Settings' table and a 'General Settings' form.

Setting	Value
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

The 'General Settings' section contains three password fields: Current Password (Type your current password), New Password (Type your new password), and Confirm Password (Retype your new password). Below these are 'Reset' and 'Apply' buttons.

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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.