

Allxon swiftDR OOB Enabler

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



Features

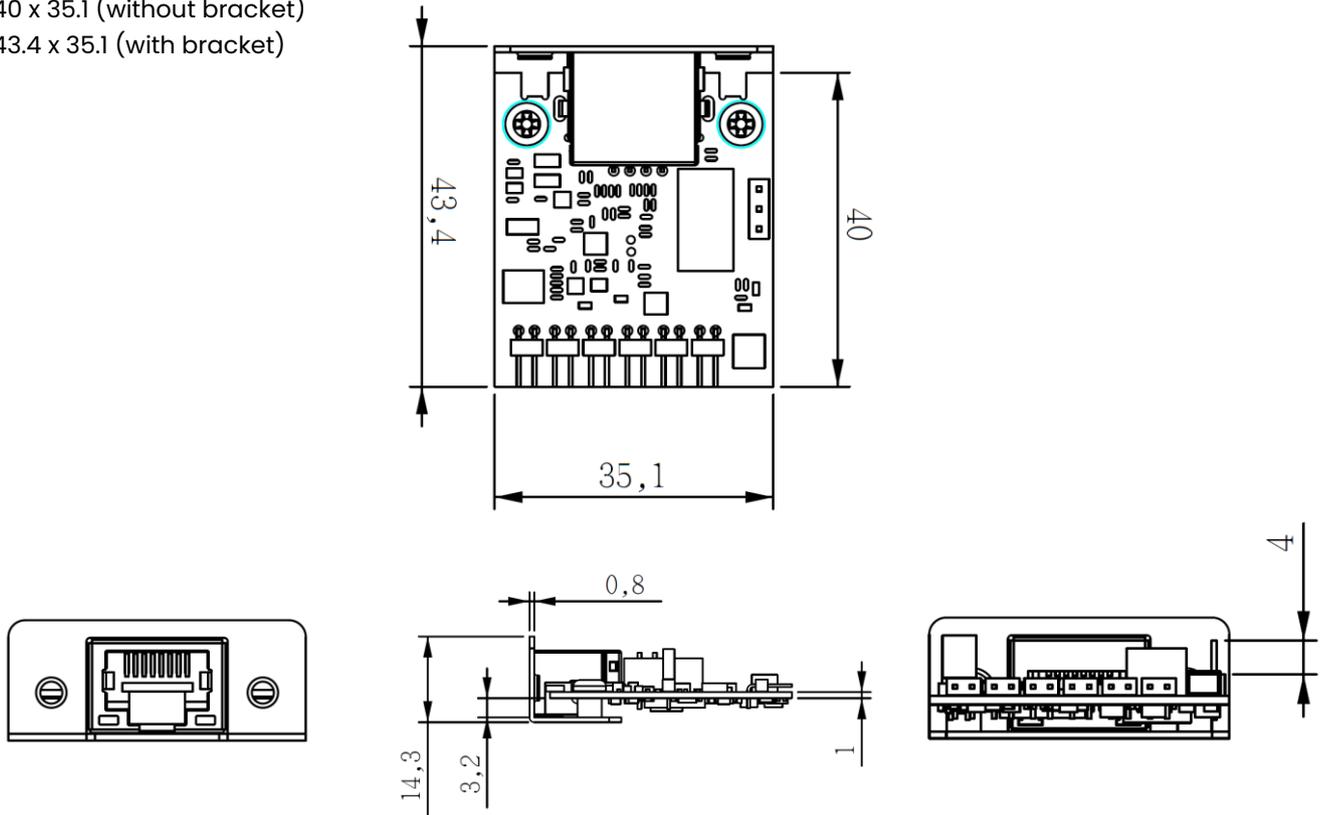
- ARM9 microprocessor embedded
- Low power consumption of less than **0.5 W**
- Built-in Allxon **Out-Of-Band (OOB)** service agent, capable of supporting both **public** and **local** network environment architectures
- Includes a **fully secure** central portal for remote device management
- Supports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

Specification

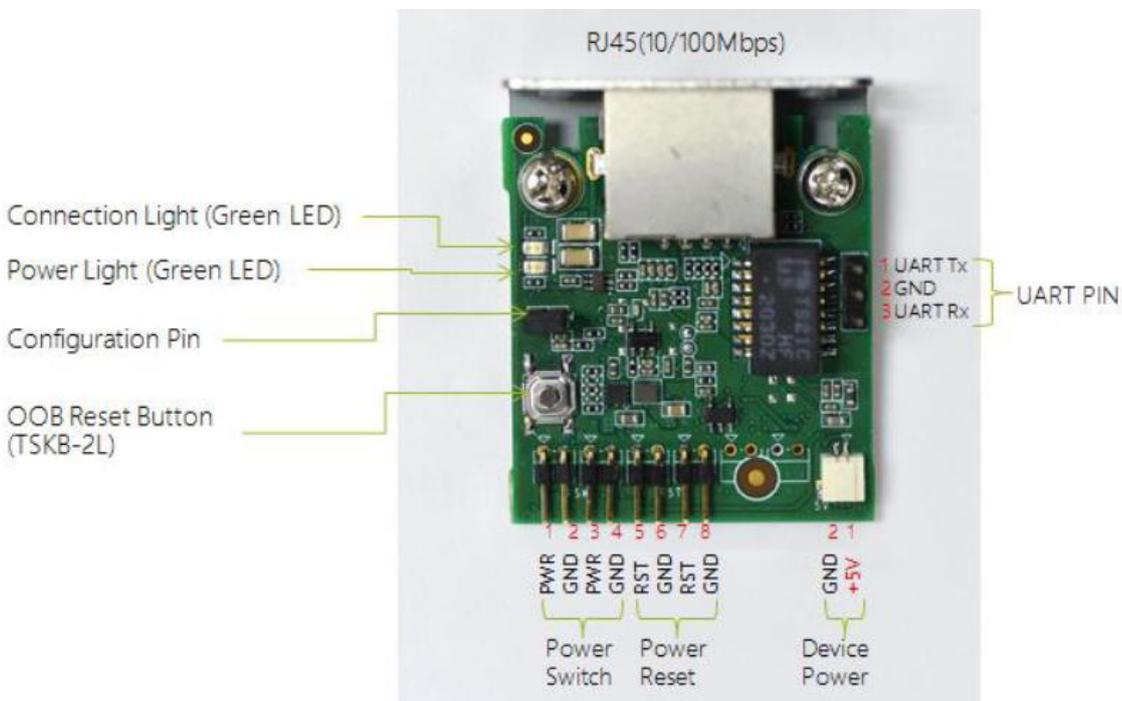
Out-Of-Band Monitoring and Management Functions	
Allxon swiftDR for Power Cycling	<ul style="list-style-type: none"> • Enforcement Shutdown • Power Switch On / Off • Reset
Signal Interface	
Remote Control	2 Sets x Power Switch (PSW/GND) 2 Sets x Power Reset (RST/GND)
Power Source	1 Set x Power Input (+5V standby/GND)
Connector	Pin Header 2.0 Pitch
Factory Reset	Factory Reset Button (5 Seconds Pressed)
Configuration Lock	Jumper (Default: with Jumper, Non-Locked)
LED Indicator Lights	<ul style="list-style-type: none"> • MCU Activated • Allxon Service Activated
Network Interface	
Ethernet	1-port 10/100 Mbps RJ45 Ports
Protection	1.5 KV Magnetic Isolation
Power Requirement	
Input Voltage	5 VDC
Power Consumption	< 0.5 W
Connector	2 Pin Headers
Hardware	
Dimensions	40 x 35.15 (without bracket) 43.4 x 35.15 (with bracket)
Environment	
Operating Temperature	-20 to 70°C (-4 to 158°F)
Operation 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 35.1 (without bracket)
- 43.4 x 35.1 (with bracket)



Connection Diagram



Power Switch		Power Reset		Device Power		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 the text "all services on, all business on" and "An open platform for smarter device management with full hardware and software integration". The main content area is titled "Sign In" and includes a "Don't have an account? Sign Up" link. There are two input fields: "Email Address" (with placeholder "username@domain.com") and "Password" (with placeholder "*****" and a "Forgot Password?" link). A "Remember me" checkbox is checked. A "Login" button is at the bottom. Two callout boxes provide default credentials: "Default Username: admin" and "Default Password: 0000". A note states: "The user can change the password in the setting page." The footer contains "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: Edge Mode (dropdown menu)
- Model Name: N4SDI 14 512M
- Serial Number: allxon12345678901234 (with "to Clipboard" button)
- MAC Address: 19.5.10.0
- Firmware Version: 19.5.10.0
- Firmware Upgrade: No File Chosen (with "Choose File" and "Start Upgrading" buttons)

 Callouts include:

- Supported Network Environment:** Edge Mode: for local network connection (default); Cloud Mode: for Internet network connection to Allxon Device Management Solutions.
- 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

 The right side of the page shows "Secondary NTP Server" (216.239.35.0) and password fields. The footer contains "Copyright © 2019-2021 Allxon Inc. All rights reserved."

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

The screenshot shows the configuration settings page for the right half of the device. It includes sections for IP Settings, Network IP mode, Network Settings, Change Admin Password, and Actions. Callout boxes provide detailed information for each section.

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

Network IP mode

Disable: fixed IP (default)
Enable: DHCP

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

Change Admin Password

Default Password: 0000

General Settings

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

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.

Reset Apply

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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 [Getting Started with Allxon DMS-equipped with Allxon swiftDR OOB Enabler](#) to pair your edge devices to Allxon DMS Portal.

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