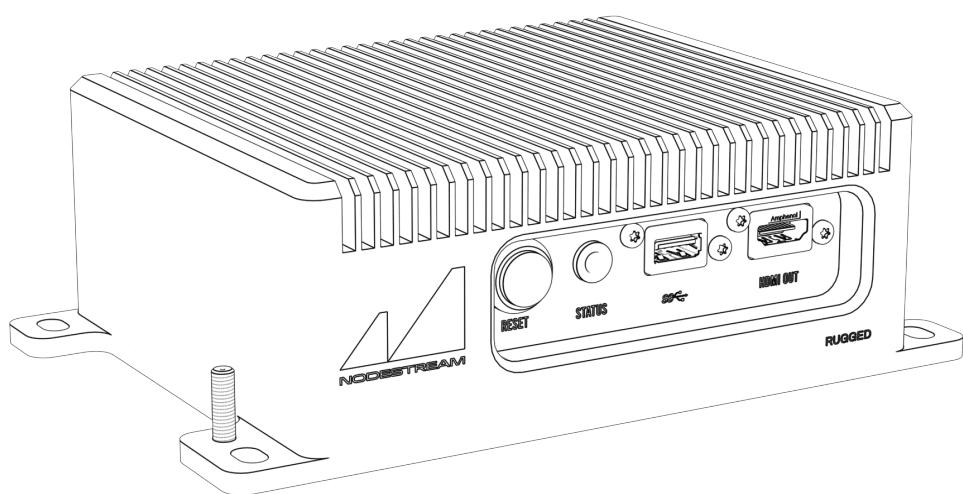




# RUGGED

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## Quick Start Guide



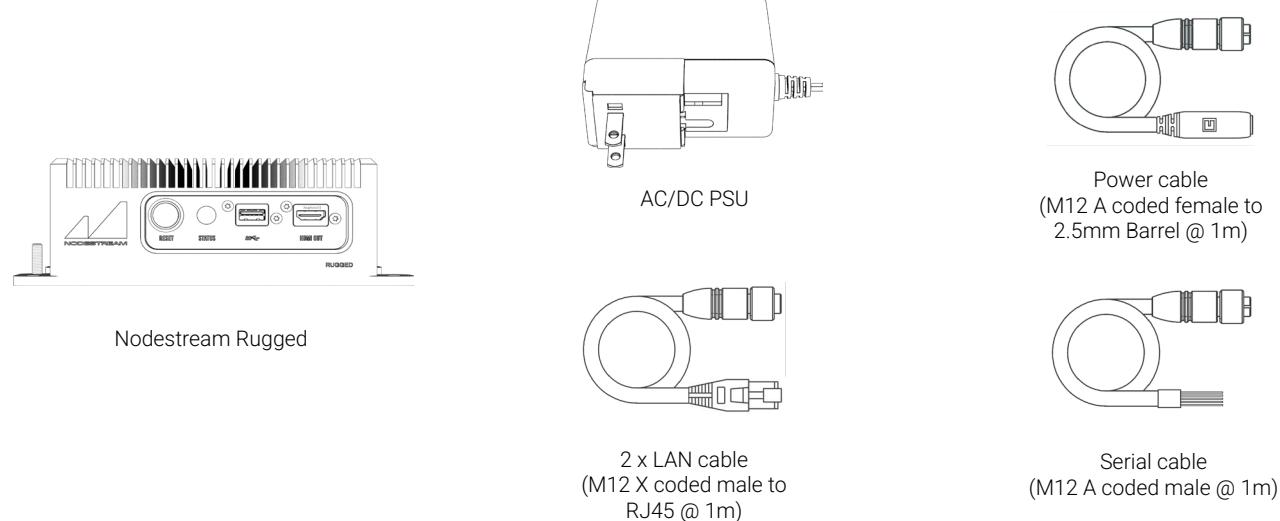
# Overview



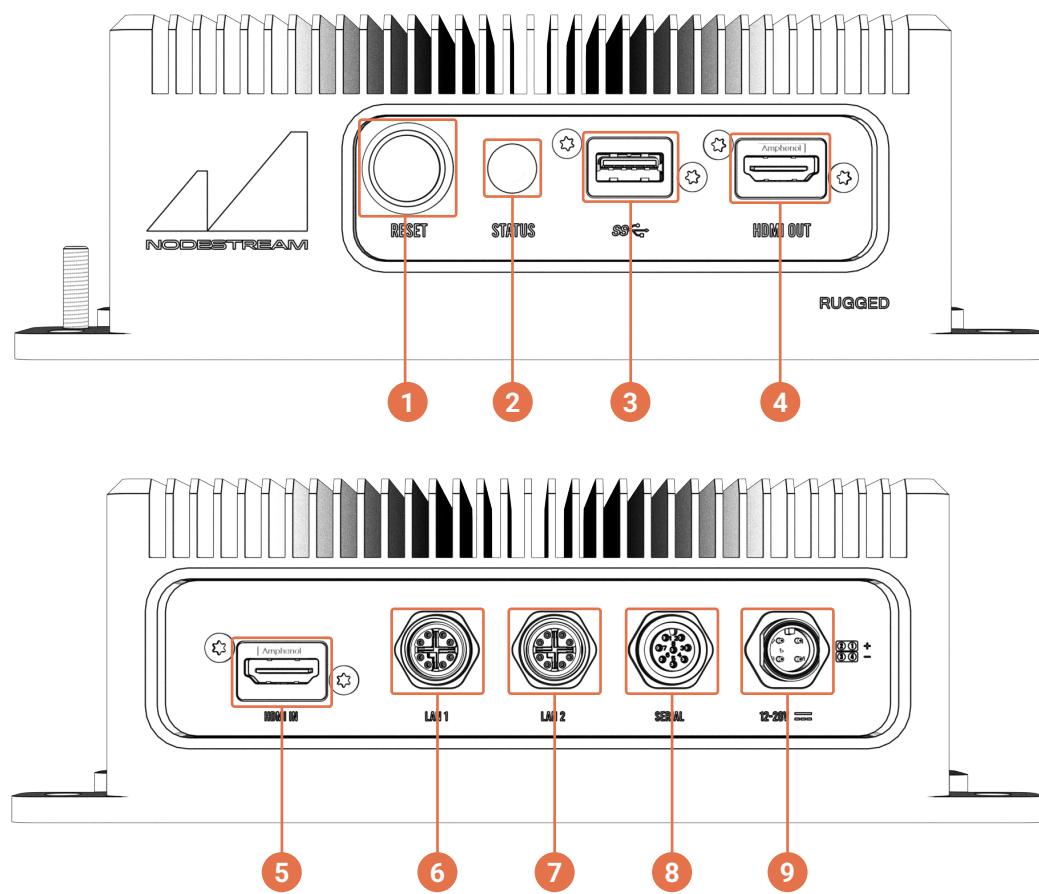
## Welcome to Nodestream Rugged

Please read these instructions carefully before using this product, and save this quick start guide for future use. See the User Manual for full details via the QR code on the back page.

## In the Box



## Connections



# Overview

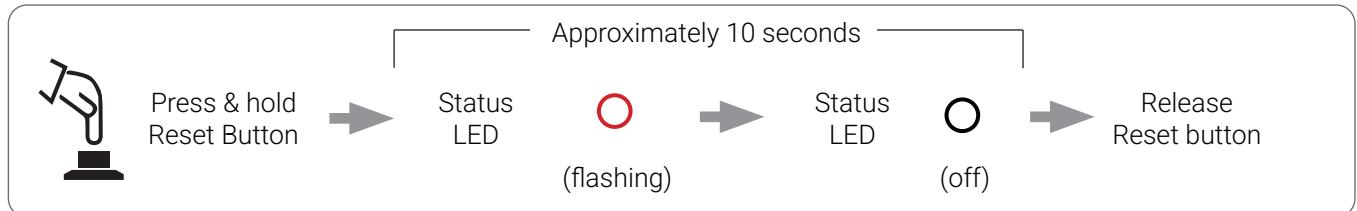


## Connections / UI

### 1 Reset Button

Restart device - Press 2 sec & release

Factory reset device



### 2 Status LED

**BLUE** - System start   **GREEN** - Solid (streaming), Flash (idle)   **RED** - Network/server issue

### 3 USB A 3.0

Connection of peripherals such as keyboard/mouse, camera

### 4 HDMI

Display output

### 5 HDMI

Video source input

### 6 LAN 1

Gigabit Ethernet

### 7 LAN 2

Gigabit Ethernet

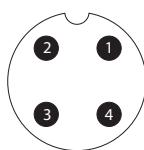
### 8 Serial

RS232 (/dev/ttyTHS0), and CANbus (future)

### 9 Power Input

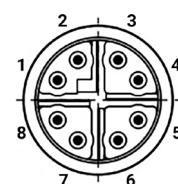
12-28VDC

Power	
Pin	Description
1	+ (12 to 28V)
2	+ (12 to 28V)
3	GND
4	GND



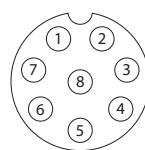
M12 A Coded Male

LAN1/2			
PIN	Description	Pin	Description
1	BI_DA+	5	BI_DD+
2	BI_DA-	6	BI_DD-
3	BI_DB+	7	BI_DC+
4	BI_DB-	8	BI_DC-



M12 X Coded Female

Serial			
PIN	Description	Pin	Description
1	RS232 RXD	5	GND
2	RS232 TXD	6	CAN High
3	RS232 RTS	7	CAN Low
4	RS232 CTS	8	GND

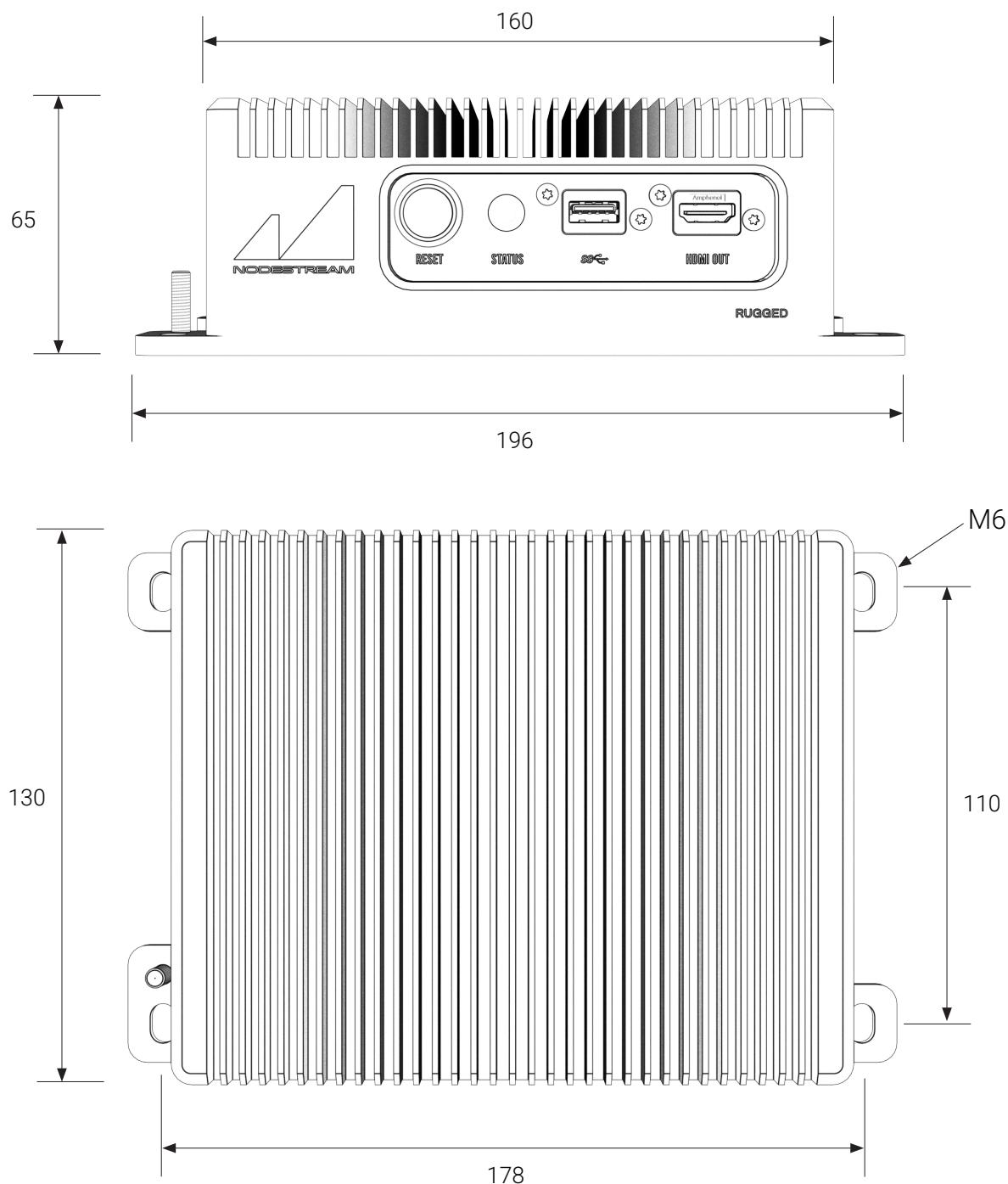


M12 A Coded Female

# Installation



## Dimensions / Mounting



- Ensure adequate space around heat sink for cooling
- For ambient temperatures exceeding 65°C, 0.5m/s of airflow across the heatsink is required

# Configuration



## Web Interface

### 1. Access the Web Interface

#### **Via a computer on the same network**

##### **DHCP Enabled Network**

From the web browser of a PC connected to the same LAN, navigate to:  
device serial.local - e.g. au2518nsrx2a012.local, or the IP address of the device

##### **Non DHCP Enabled Network**

Configure the IPv4 network settings of a PC connected to the same LAN to:

IP	192.168.100.102
Subnet	255.255.255.252
Gateway	192.168.100.100

From a web browser, navigate to: 192.168.100.101



- Device will “fall back” to a static IP address when not connected to a DHCP enabled network - approximately 30 seconds after boot
- Due to the possibility of conflicting IP addresses, only 1 device can be configured at a time. Once configured, the device can remain connected

#### **On the device**

Press **alt+F1** on a connected keyboard

2. Login in - username & password = **admin**
3. Configure your network
4. Select device mode and configure your server on the “System” page



Once registered to a server, your device will need to be added to a group



Add your device to your Organization via the web portal



- Refer to the device User Manual for more information
- Add and manage inputs via you Nodestream X control application or NSLive portal



Nodestream devices require specific firewall settings to be in place. Refer to the User Manual for further information



User Resources



Contact and Support  
[support@harvest-tech.com.au](mailto:support@harvest-tech.com.au)

## Troubleshooting

Issue	Cause	Resolution
Device not powering	AC or DC not connected.  Faulty or incompatible supply  Incorrect pinout used	Confirm PSU is plugged in and AC supply on  Confirm power input cable is connected correctly  Test with alternative supply  Ensure supply voltage meets required specifications, see User Manual  Ensure pinout as per table on page 3
<b>Nodestream X</b> "Server Connection Error"  <b>Nodestream Live</b> "Could not resolve hostname"  Status LED RED	Network not connected  Network settings incorrect  Firewall blocking comms  Not registered to server	Check Ethernet cable is connected  Check network settings, contact your network administrator to diagnose network  Ensure Firewall settings correct, see User Manual  Register device on your Nodestream server
No video input	Sources not connected, powered on or correctly configured	Confirm sources connected and powered on, refer User Manual for configuration
Forgot login or network details	N/A	Factory reset to defaults (see "Factory Reset" on page 3)

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