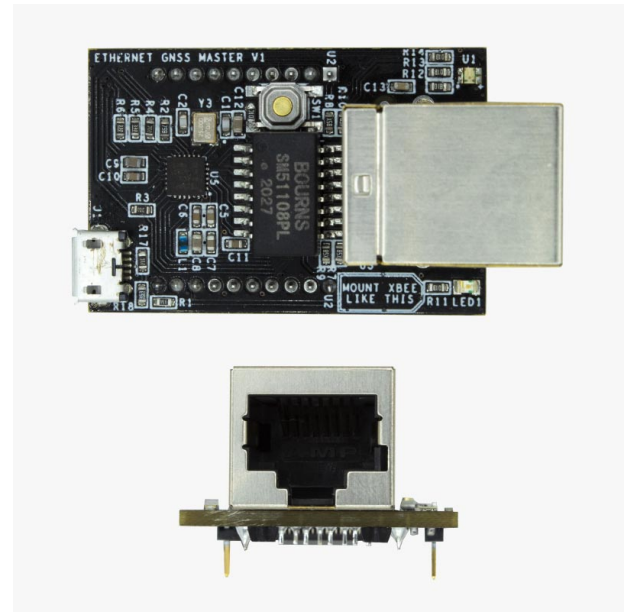# Ethernet NTRIP Master

Includes:
- Ethernet module including NTRIP software (XBee socket compatible)

More info about the product!

Ethernet NTRIP Master SKU is: AS-XBEE-ETH-100-RJ45-00

Get a discounted bulk price on this product for orders of 50 units or more. Contact us at info@ardusimple.com to get a quote.

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Description

With ArduSimple Ethernet NTRIP Master, you will be able to add Ethernet LAN functionality to any device with XBee socket or serial port: RTK receiver, sensor, Arduino, or any other embedded platform).

Without any programming involved, and simply using a configuration tool, Ethernet NTRIP Master can be used as:

- NTRIP Client (to get corrections from your preferred correction service)

- NTRIP Server v1 and v2 (to send your base corrections to a NTRIP caster like RTK2go.com or CentipedeRTK)

- TCP socket client (to send position or any other message to your server)

- PointPerfect Client (This product has free RTK-SSR corrections until 31/12/2024. Later if you want you can get a subscription starting at only $5.90/device/month)

- TCP/UDP server (to manage your receiver from a remote location)

You can learn everything about this product in the [Ethernet NTRIP Master User Guide](#).

Good to know:
- Default configuration is at 115'200bps
- Compatible with all simpleGNSS, simpleRTK2B and simpleRTK3B series boards
- Compatible with u-blox Thingstream PointPerfect augmentation service for simpleRTK2B receivers (not simpleRTK3B)

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Specifications

Interfaces

- UART (3.3V)
- RS232 (requires [accessory](#))
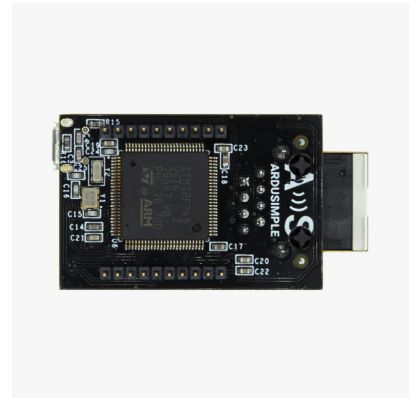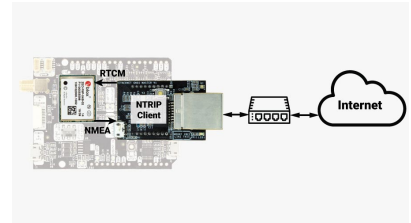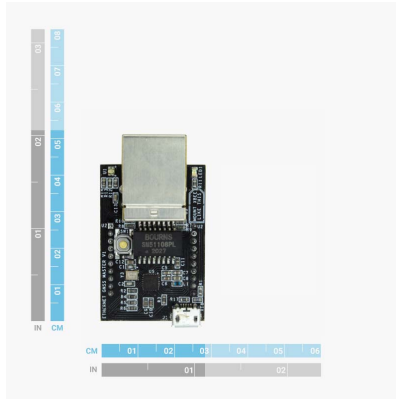- Ethernet (RJ45 connector)

Ethernet NTRIP Master hardware features
- Full- and half-duplex 10/100 Mbps
- Ethernet compliant with IEEE-802.3-2002
- Micro-USB for configuration and diagnosis
- Compatible with Power-Over-Ethernet (PoE) (requires [accessory](#))
- Operating temperature Range: -40 to +85deg

Ethernet NTRIP Master software features
- NTRIP Client/Server
- TCP/UDP Socket Server/Client
- FTP for remote configuration changes
- PointPerfect Client
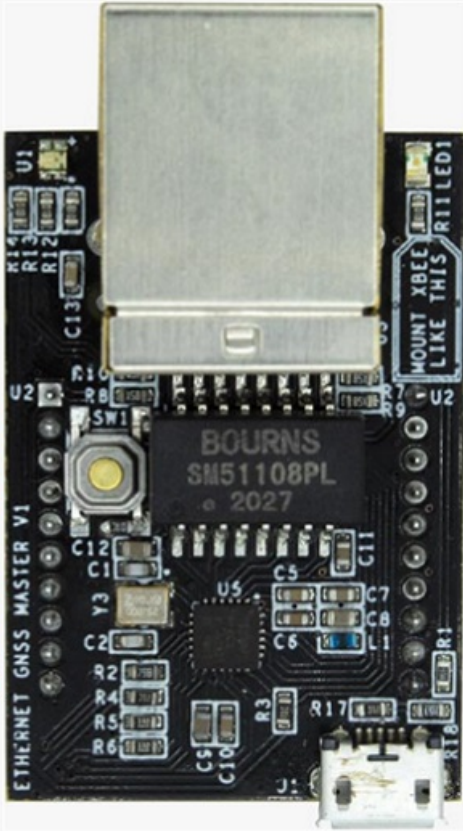
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Image Gallery

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Pinout

TOP VIEW

Description	Name	#		#	Name	Description
2.7-3.6V with up to 0.5A peak	**VCC**	1		20		
Data out VCC level	TX	2		19		
Data in VCC level	RX	3		18		
		4		17		
Leave open for always ON	RESET	5		16		
		6		15		
		7		14		
		8		13		
		9		12		
Must connect to GND	**GND**	10		11	**GND**	Must connect to GND

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Documentation

User Guide	https://www.ardusimple.com/ethernet-ntrip-master-hookup-guide/
Download CAD model	https://www.ardusimple.com/wp-content/uploads/3D_CAD/AS-XBEE-ETH-100-RJ45-00-R00.STEP
PCB Integration Guide	https://www.ardusimple.com/pcb-integration-guides/
Footprint	https://www.snapeda.com/search/?q=ardusimple

Ethernet NTRIP Master includes free basic technical support. Contact info@ardusimple.com for more information.

Data and descriptions in this document are subject to change without notice. Product photos and pictures are for illustration purposes only and may differ from the real product appearance.

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