

Ethernet NTRIP Master

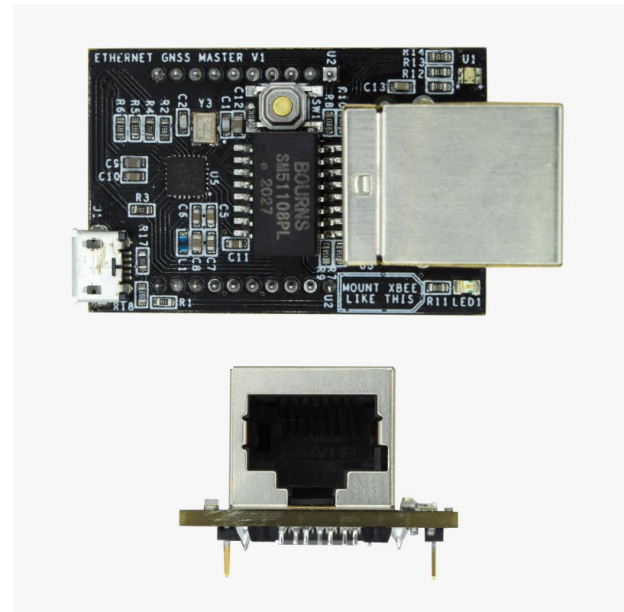
Add Ethernet functionality without programming, just with a few configuration clicks. Compatible with all ArduSimple boards with onboard XBee socket.



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.



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)

Includes:

- Ethernet module including NTRIP software (XBee socket compatible)

Specifications

Interfaces

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

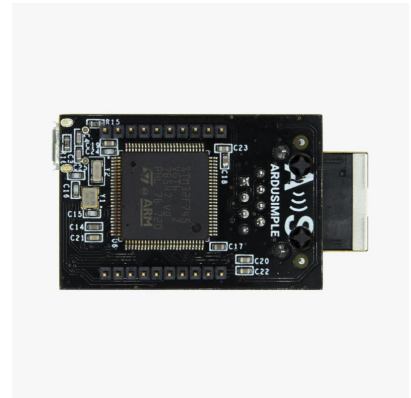
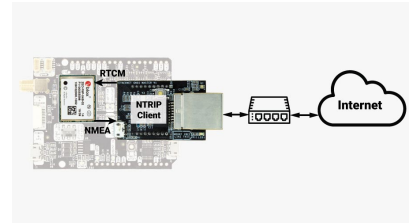
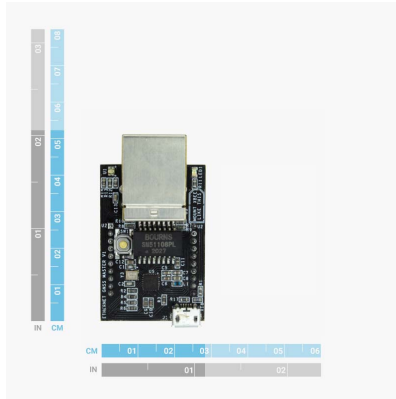
Ethernet NTRIP Master hardware features

- 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

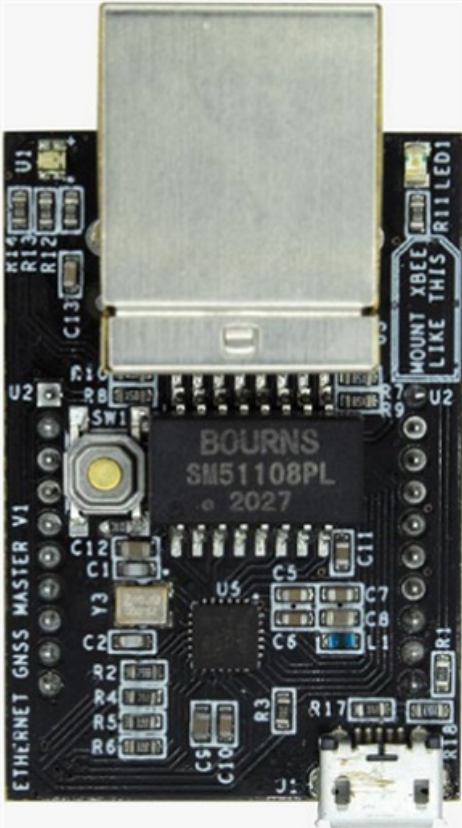
- NTRIP Client/Server
- TCP/UDP Socket Server/Client
- FTP for remote configuration changes
- PointPerfect Client

Image Gallery



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

Documentation

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.

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