ONO Miner

Item Name	Description	Quantity	Unit Price (€)	Supplier	Order No. / Link	Notes
Microcontroller	ESP32-WROOM-32U Set incl. Antenna		1 ~ 7 €	Aliexpress	https://de.aliexpress.com/item/1005008209944531.html	
GNSS Module	UM980		1 ~ 115 €	Aliexpress	https://aliexpress.com/item/1005007176550873.html	its incl. Alu heatsink, antenna cable
Fan		3010	1 ~ 5 €	Aliexpress	https://aliexpress.com/item/4000313538245.html	A fan is not strictly necessary, but it is recommended when used in hot environments such as under a roof or in outdoor enclosures.
USB C Cable and Power Adapter						
For Splitting with Geodnet:						
Splitter	QY-PS2 2-Way		1 ~ 25 €	Aliexpress	https://aliexpress.com/item/1005006176035221.html	
Cable from Splitter to Miner	SMA M to SMA M		2 ~ 3 €	Aliexpress	https://aliexpress.com/item/1005001287923172.html	
For standalone use:						
Antenna + cable	EM-500 Antenna + cable SMA end		1 ~ 82€	Aliexpress	https://aliexpress.com/item/1005008631266282.html	Make sure it has the correct connector type: SMA
Pole	Pole		1 ~ 9 €	Aliexpress	https://aliexpress.com/item/1005006425749599.html	