Mountaineer Ethernet Mainboard datasheet: 168 MHz specs

Mountaineer Ethernet Mainboard datasheet covers a .NET Gadgeteer board built around a 168 MHz STM32F407 processor, according to Mountaineer Group material accessed in November 2026. The sheet lists 1 MB of on-chip Flash plus 8 MB of on-board Flash with 192 KB of on-chip RAM as of November 2026, according to the same Mountaineer Group file accessed in November 2026. That memory map supports embedded networking with no separate Ethernet module, according to Electronics Datasheets material accessed in November 2026, and the related Ethernet Mainboard page gives buying context. The Mountaineer platform pairs this board with a smaller USB-only sibling for non-network builds, according to Mountaineer Group material accessed in November 2026.

What does the Mountaineer Ethernet Mainboard datasheet specify?

Mountaineer Ethernet Mainboard specifies 168 MHz operation with 210 DMIPS throughput, according to Mountaineer Group material accessed in November 2026.

The density fits data logging on board while control code stays in internal memory, according to Mountaineer Group material accessed in November 2026.

1. Processor runs at 168 MHz with 210 DMIPS throughput and uses 1 MB on-chip Flash with 8 MB on-board Flash plus 192 KB on-chip RAM, according to Mountaineer Group material accessed in November 2026.
2. Board measures 57 x 42 mm and carries Eth Mainboard designation, according to Mountaineer Group material accessed in November 2026.
3. Board meets RoHS lead-free rules and works from 0 to 70 degrees Celsius, according to Mountaineer Group material accessed in November 2026.
4. File download itself is a 465.1 KB Acrobat document, according to Mountaineer Group material accessed in November 2026.

Lab checks for such Gadgeteer boards follow the same power and socket review described in how we test.

How does Mountaineer Ethernet Mainboard connect power, USB and Ethernet?

Mountaineer Ethernet Mainboard provides 8 Gadgeteer sockets plus USB and Ethernet connectors, according to .NET Micro Framework e-shop material accessed in November 2026.

Two independent USB controllers handle host and device traffic while the jack supplies wired network access, according to .NET Micro Framework e-shop material accessed in November 2026.

A user-programmable RGB LED with a button supports status feedback on the bench, according to .NET Micro Framework e-shop material accessed in November 2026.

Do not attach red power modules because onboard supplies already exist, according to .NET Micro Framework e-shop material accessed in November 2026. The smaller USB

Mainboard suits builds with no wired network, according to Mountaineer Group material accessed in November 2026.

Why does Mountaineer Ethernet Mainboard suit prototype builds?

Mountaineer Ethernet Mainboard combines mainboard with power supply and Ethernet into one 57 x 42 mm board, according to Mountaineer Group material accessed in November 2026.

That integration cuts wiring and lets teams reuse modules across iterations, according to Mountaineer Group material accessed in November 2026.

Firmware history runs from 4.2 QFE1 on 11-May-2012 to 4.3.1 Beta 3 on 09-Apr-2014, according to Mountaineer Group material accessed in November 2026.

Where is the Mountaineer Ethernet Mainboard datasheet file?

Mountaineer Ethernet Mainboard datasheet file is a 465.1 KB download listed beside MountaineerUSB.pdf, according to Mountaineer Group material accessed in November 2026.

The shop listing showed EUR 67.00 with EUR 81.07 incl. VAT and 6 units in stock as of November 2026, according to .NET Micro Framework e-shop material accessed in November 2026.

The listing carried a sell-off note with a limit on ordered quantity, according to .NET Micro Framework e-shop material accessed in November 2026.

Mountaineer Ethernet Mainboard datasheet FAQ

What does the Mountaineer Ethernet Mainboard datasheet list for memory?

The Mountaineer Ethernet Mainboard datasheet lists on-chip Flash with on-board Flash for networked prototype planning. It helps buyers match firmware needs before choosing sockets or modules for a build.

Does the Mountaineer Ethernet Mainboard datasheet cover power and USB limits?

Yes, the Mountaineer Ethernet Mainboard datasheet context warns against red power modules because onboard supplies already exist. It also describes USB controllers with cable needs for safe bench wiring.

Where does the Mountaineer Ethernet Mainboard datasheet file fit a buying workflow?

The Mountaineer Ethernet Mainboard datasheet file fits early in part selection for size and socket checks. It shortens comparison work before buyers review stock with firmware history for a build.