

# M115 Extended Capabilities Report

**Feature Name:** Extended Capabilities Report

**Feature Name in Annotation:** Extended\_Capabilities\_Report

## Source of Information

Releaselog, pull requests, commits, ifdefs with feature annotation name

## Strategy Used:

Feature is identified from the latest release log first. The release log also provides the pull request and commits linked to the feature (see the links and tables below), Ifdefs are also used for speeding up feature location.

**Feature Release Version:** 1.1.0 – RC8

**Time took to Identify and Locate the feature:** 0.5 hour

**Time took to Understand the Implementation:** 1 hour

## Feature Description:

This feature reports capabilities that Marlin supports. It implements the capability protocol that is defined by the RepRap community. It would allow Marlin to report information on the supported firmware capabilities.

Currently-defined capabilities:

Cap: EEPROM

Cap: AUTOREPORT\_TEMP

Cap: PROGRESS

Cap: AUTOLEVEL

Cap: Z\_PROBE

Cap: SOFTWARE\_POWER

Cap: TOGGLE\_LIGHTS

Cap: EMERGENCY\_PARSER

## Feature Information and Statistics:

PR No.	Merged Time	PR	Commits	Files	Line Added	Line deleted
#5188	12 Nov 2016	Extended host support: M155 Auto temp report, M115 capabilities	1	21	157	9

**Ratios of sources (%)**

RL	PR	CM	Ifdef	DK	CC	SC	GD
50	20	15	15	0	0	0	0

**RL**: Release Log; **PR**: Pull Request; **CM**: Commit, **Ifdef**: Ifdef Expression; **DK**: Domain Knowledge; **CC**: Code Comment; **SC**: Source Code; **GD**: G-Code Documentation.

**Pull Request Links:**

<https://github.com/MarlinFirmware/Marlin/pull/5188>

**Feature Characteristics:**

Feature Name	LoFC	NoFL	TD	Completely Wrapped by ifdef
Extended Capabilities Report	323	7	20	Yes

**Feature's relevant historical data**

Request(issue) proposed

Time: 1 Nov 2016, by: reptier

Related pull request:

Follow up fixes: <https://github.com/MarlinFirmware/Marlin/pull/5221>