

Five new M.2 modules based on NXP's wireless chipsets

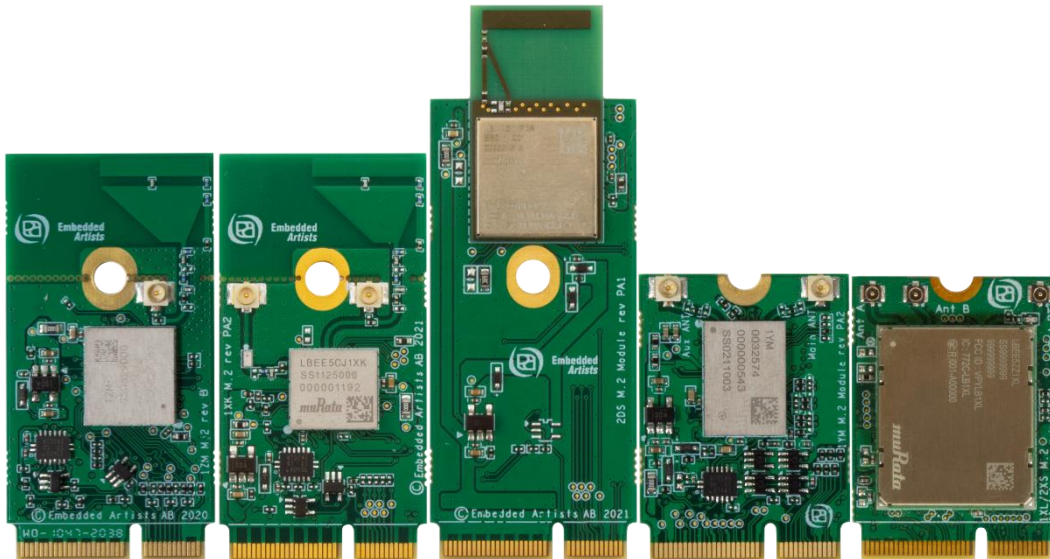
Malmö, Sweden, 12 October 2021 – Embedded Artists extends its range of Wi-Fi® and Bluetooth® products in the M.2 family with an additional 5 modules. All these are equipped with modules from Murata containing chipset from NXP®.

Embedded Artists M.2 family now consists of 12 modules with Wi-Fi 4, Wi-Fi 5 or Wi-Fi 6 support. Most of the modules also support Bluetooth.

The M.2 modules enables our customers to evaluate and choose the solution that has the best tradeoff between performance, power consumption, temperature range, and price for the product that is developed.

For quantities of up to a few thousand units per year it is profitable to directly integrate M.2 modules in the end-product. This also gives the flexibility to change solution during the products life-time or to have different solutions for different geographical regions.

The M.2 modules can also be used to evaluate which Murata Wi-Fi / Bluetooth module to directly integrate in the end-product, that is, when going with a solder down solution.



Key features for the new M.2 modules are presented below (left to right in the figure above).

1ZM M.2 – NXP 88W8987

- Wi-Fi 5, 802.11 a/b/g/n/ac
- Bluetooth 5.1 BR/EDR/LE
- SDIO 3.0, SDR104@208MHz

1XK M.2 – NXP IW416

- Wi-Fi 4, 802.11 a/b/g/n
- Bluetooth 5.2 BR/EDR/LE
- SDIO 3.0, SDR50@100MHz

2DS M.2 – NXP 88W8801

- Wi-Fi 4, 802.11 b/g/n
- SDIO 2.0, SDR25@50MHz

1YM M.2 – NXP 88W8997

- Wi-Fi 5, 802.11 a/b/g/n/ac 2x2 MU-MIMO
- Bluetooth 5.2 BR/EDR/LE
- PCIe interface

1XL M.2 – NXP 88W9098

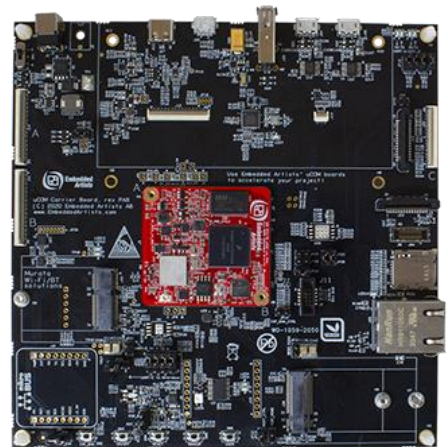
- Wi-Fi 6, 802.11 a/b/g/n/ac/ax 2x2 MU-MIMO
- Bluetooth 5.2 BR/EDR/LE
- PCIe interface

When Murata has a reference certified antenna this antenna is also included with the M.2 module to simplify evaluation.

Customers can easily and quickly start to evaluate M.2 modules together with one of Embedded Artists i.MX based Developer's Kits since these have a M.2 connector.

There are kits using application processors in the i.MX6, i.MX7 and i.MX8 families, but also kits using microcontrollers in the i.MX RT family.

Embedded Artists provides extensive documentation in the form of getting-started guides as well as software drivers. This makes it easy for a developer to evaluate and integrate a M.2 module from Embedded Artists.

**Availability**

The M.2 modules are available today (except the 1XL M.2 module which is expected to be available in January 2022) and the single unit price varies between 24.50 EUR and 40.50 EUR depending on module. Contact Embedded Artists for volume pricing.

Links

General page with all M.2 modules:

<https://www.embeddedartists.com/m2/>

1ZM M.2:

<https://www.embeddedartists.com/products/1zm-m-2-module/>

1XK M.2:

<https://www.embeddedartists.com/products/1xk-m-2-module/>

2DS M.2:

<https://www.embeddedartists.com/products/2ds-m-2-module/>

1YM M.2:

<https://www.embeddedartists.com/products/1ym-m-2-module/>

1XL M.2:

<https://www.embeddedartists.com/products/1xl-m-2-module/>

About Embedded Artists

Embedded Artists develops and manufactures a wide range of Computer-on-Modules and Wi-Fi/Bluetooth modules that can be easily integrated into end-products. This simplifies the task for companies to use more advanced processors, microcontrollers and wireless solutions in their applications. Embedded Artists is an NXP Gold member of the NXP Partner Program and close partner to Murata.

Embedded Artists on Youtube (<https://www.youtube.com/c/embeddedartistsab>), LinkedIn (<http://www.linkedin.com/company/embedded-artists-ab>) and Twitter (<https://twitter.com/EmbeddedArtists>) @EmbeddedArtists.