Digi ConnectCore® Solutions for STMicroelectronics STM32 MPUs

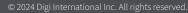## Digi ConnectCore® MP Family

Digi ConnectCore® MP13   Digi ConnectCore® MP15   Digi ConnectCore® MP2

Digi Solutions	Capabilities, Functionality and Performance
Integrated SOMs	Digi ConnectCore SOMs include on-board microprocessor, RAM, flash memory ST PMIC and wireless to simplify product design and speed time-to-market.
Proven reliability	Digi provides an industry-leading 3-year warranty on ConnectCore SOMs and guaranteed 10+ years availability. All ConnectCore SOMs are built and certified to industrial specifications with -40 to 85 °C operating temperature range and 24/7/365 operations.
Globally pre-certified wireless connectivity	Integrating wireless connectivity is complex and certifications are costly. Digi ConnectCore solutions come with pre-certified wireless. Modules are available in wireless (dual-band Wi-Fi and Bluetooth®) and wired (10/100 or Gigabit Ethernet) options.
Digi SMTplus® form factor	At 30x30mm and smaller, the tiny Digi SMTplus form factor provides an innovative wireless solution, supporting Digi ConnectCore integration in compact and handheld devices. In addition, all processor features are available on the SMTplus pinout, providing maximum design flexibility.
Digi TrustFence®	Rapidly evolving cybersecurity legislation across many regions requires security to be designed into connected devices. Digi TrustFence® makes it easy to implement required security features like secure boot, protected ports, and encryption of data storage and transmission.
Digi Embedded Yocto (DEY)	Digi provides a fully tested and validated Linux environment for rapid development on ConnectCore SOMs, offering extensive value over an MPU BSP, with libraries and graphics support. Digi maintains and updates DEY regularly so OEMs can always start development on a current Linux release.
Digi ConnectCore development kits	Digi provides complete and affordable development kits in stock from distributors worldwide. Digi kits bring out all signals to connectors, allowing software development to begin on day 1 (before custom hardware is available) and also enables rapid prototyping for feedback on product design.
Complete technical documentation	Digi's in-depth online documentation provides developers with clear explanations and step-by-step procedures for implementing the features of ConnectCore SOMs. It is available in an online platform for easy searching and rapid reference.
Global sales and technical support	Digi's Technical Support team can provide troubleshooting and technical advice throughout the complete project and product lifecycle technically and commercially.

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Digi ConnectCore Smart IOmux design tool	Digi ConnectCore Smart IOmux provides an ideal first step for ConnectCore designs. This unique tool simplifies pin multiplexing for embedded systems with an intuitive graphical interface. It automates pin assignments and device tree snippets, providing real-time validation, and supports cross-platform design across the ConnectCore MP family for faster time-to-market.
Digi IoT device simulator	Our IoT Device Simulator creates a virtual fleet of ConnectCore-based devices. This enables "digital twin" development and testing of connected services before custom hardware is developed. Networking issues and problems can be simulated to integrate troubleshooting into the design.
Digi ConnectCore® Cloud Services	Digi ConnectCore Cloud Services enable OEMs to create connected devices with capabilities such as remote configuration, monitoring and maintenance. These services support over-the-air (OTA) software updates with end-to-end encryption — enabling developers to improve product quality, automate processes, enhance user support with integrated edge-to-cloud connectivity and more.
Digi ConnectCore® Security Services	Digi ConnectCore Security Services provide comprehensive tools and resources to maintain the security of devices throughout their entire lifecycle. These services offer security analysis, vulnerability monitoring, and custom software bill of materials (SBOM) analysis. Included consulting support helps to resolve security concerns and ensure ongoing protection for Digi SOMs.
Custom design services	Digi Wireless Design Services (WDS) can augment constrained engineering resources, improve designs, accelerate development, and provide ongoing consulting for product success. WDS provides a full spectrum of design, development, testing, and product customization services to support your team in go-to-market and ongoing success.

Digi ConnectCore MP System-on-Modules			
Product	**Digi ConnectCore MP13**	**Digi ConnectCore MP15**	**Digi ConnectCore MP25**
ST part numbers	STM32MP13 / STPMIC1	STM32MP15 / STPMIC1	STM32MP25 / STPMIC2
Module starting price (MSRP)	$29 USD	$34 USD	$49 USD
Development kit part number	**CC-WMP133-KIT**	**CC-WMP157-KIT**	**CC-WMP255-KIT**
Kit price (MSRP)	$199 USD	$199 USD	$199 USD
Digi global distributors	Arrow Electronics, Avnet, DigiKey, Mouser Electronics		

Digi ConnectCore MP15 Development Kit