SHARP/NEC

MPi5 Kit powered by Raspberry Pi
The evolution of simple and flexible Digital Signage

The MPi5 Kit in combination with Sharp/NEC Large Format Displays leaves nothing to be desired

Powered by **Raspberry Pi**

Seamlessly embedded into professional and modular Sharp/NEC Large Format Displays, the MPi4 Kit powered by RaspberryPi Compute Module 4 has proven to be a versatile solution for industrial applications. Building upon this success, the MPi5 Kit with its Compute Module 5 offers significant performance enhancements and new features, enabling even more demanding industrial use cases. CMS software providers and users benefit from the vast number of already available open source solutions accessible from the global Raspberry Pi developers community. The Ethernet and USB interfaces of the display interface board allow easy integration into a network or connection with external devices such as mouse/keyboard, sensors and touch.

The MPi5 Kit is the smartest combination of computing power with professional yet cost-effective Signage displays for use in retail environments, passenger information, quick service menu boards and many more applications.

Delivering Genuine Benefits

- **Future-Proof with Open Modular Intelligence Expansion –** upgrade the power of the display by escalating the computing power at any time to boost performance capability.

- **Powerful possibilities –** the more powerful CPU gives you significantly faster computing performance, while the next-generation GPU gives you improved 4K/UHD picture quality.

- **Unlimited versatility –** supporting a broad range of operating systems, this open platform offers high flexibility for digital signage software providers and (CMS) system integrators.

- **Seamless and fully embedded –** simply slotted into the display for a fully integrated solution, external mounting is obsolete. An elegant, cable-free solution with internal connection for power, video, audio, data and all control interfaces.

- **Economical –** enjoy high performance and low energy use with associated savings.

- **High reliability –** the use of industrial grade components and our advanced heat management makes this solution ideally suited for 24/7 operation.

- **Trusted state-of-the-art technology –** Raspberry Pi computing is a worldwide success story for industrial and embedded solutions with proven high reliability and an unmatched price-performance ratio making it attractive for professional applications.

Technical Specifications

Order Codes	
MPi5 Kit RaspberryPi OS optimized	100016413

CPU	Quad Core 64-bit ARM Cortex 76 (ARM v8) @ 2.4 GHz
Graphics	Hardware video encode / decode H.265 (HEVC) (up to 4Kp60 decode), H.264 (up to 1080p60 decode, 1080p30 encode), OpenGL ES 3.1 graphics, Vulkan 1.3
Memory	32 GByte on-board eMMC
RAM	4Gbyte LPDDR4 SDRAM
Operating System	Raspberry Pi OS optimised for Signage / Built to order
Dimensions (W x H x D)	55mm × 40mm × 4.7mm
Resolution	up to 4K/60p
Others	Includes licenses for H.264 and H.265 hardware CODECs
Certificates	CE, FCC certification
Warranty	3 Years

Interfaces	Connected External Display Interfaces: 2 x USB A, (USB 2.0) 1 x RJ45 Gigabit
Other features	Realtime clock (in combination with supported Sharp/NEC large format displays)
Dimensions (W x H x D) [mm]	114.5 x 26.0 x 133.7
Certificates	CE, FCC certification
Compatible displays	Following series: ME1, M1, M1-2, M2, P5, P6 (including protective glass (PG, PG-2) and interactive (IR, IR-2, PCAP, IGB) models; excluding 32" models)
Warranty	3 Years