

Order Code: 100016242

MPi4 Box Gen2

Upgrade your display to a full signage solution

The MPi4 Box is the perfect computing device to upgrade your display easily.

The open platform device supports a broad range of operating systems offering a high level of versatility. Customisable for specific application requirements, users benefit from direct access to third-party Content Management Systems through Sharp/NEC's partnerships with leading software providers.



Offering exceptional value, the MPi4 Box brings professional, reliable performance for retail signage, quick service menu boards and passenger information.

Featuring the industrial grade Raspberry Pi Compute Module 4 System on Chip, the MPi4 Box is the perfect partner for your visual display, turning it into a complete signage solution. The MPi4 Box is an open system which can be customised to run any operating system or digital signage application you require, compatible with Raspberry Pi.



Benefits

- **Customizable operating system** – can be shipped out with any compatible Raspberry Pi image for digital signage applications.
- **Powerful possibilities** – the Quad Core 1.5 GHZ processor provides amazing performance and supports 4K/UHD playback with an unrivalled price-performance ratio.
- **High flexibility** – can be attached to any display that supports USB with 10W.
- **Unlimited versatility** – supporting a broad range of operating systems, this open platform offers high flexibility for digital signage software providers and system integrators.
- **Trusted state-of-the-art technology** – Raspberry Pi computing is a worldwide success story with proven high reliability and an unmatched price-performance ratio making it attractive for professional applications.
- **Full control** – use the RS232C connection to remotely control your display and run provisioning or preventive maintenance tools.

Technical Specifications

ORDER CODES	
MPi4 Box custom	100016242

PC CONFIGURATION	
CPU	Quad Core 64-bit ARM Cortex 72 (ARM v8) @ 1.5GHz, VideoCore IV GPU
RAM	4GB LPDDR4-3200 SDRAM
Mass Storage	32GB eMMC
Graphics (board)	Hardware video encode / decode H.265 (HEVC) (up to 4Kp60 decode), H.264 (up to 1080p60 decode, 1080p30 encode), OpenGL ES 3.0 graphics
Operating System	custom

CONNECTIVITY	
Interfaces	2x USB 2.0 1 x RJ45 10 / 100 / 1000 Mbps 1 x microHDMI 1 x RS232C 1x USB Type C for power delivery

ELECTRICAL	
Power Consumption [W]	Idle: 7.5 Watt Max: 10 Watt

ENVIRONMENTAL CONDITIONS	
Operating Temperature [°C]	0-50

MECHANICAL	
Net Weight [Kg]	0.248
Gross Weight [Kg]	0.600
Net Dimensions (W x D x H) [cm]	8.9 x 10.5 x 30.0
Gross Dimensions (W x D x H) [cm]	30.0 x 30.0 x 10.0

ADDITIONAL FEATURES	
Accessories	1 x HDMI to HDMI cable (0.5m), 1 x USB-C to USB-A (0.5m), 1 x RS232C to RS323C cable (0.5m)
Compatibility	All NEC Large Format Displays with 10W USB power output
Cooling	passive
Warranty	3 Years warranty

For additional pictures and Solutions overview, visit www.sharpeddisplays.eu for details.

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