

EPC-R3720DK

Windows 10 IoT Development Kit of EPC-R3720

NEW



Features

- NXP i.MX8M Plus Cortex®-A53 Quad Core 1.6GHz
- On-board LPDDR4 6 GB, 4000MT/s memory
- HDMI up to 3840 x 2160 at 30Hz resolution
- Dual GbE LAN, 1 USB2.0 and 1 USB3.2 Gen 1
- 1 Micro SD Socket & 1 Nano SIM Slot
- 1 mini-PCIe for 3G/4G, 1 M.2 2230 Key E Slot
- Windows 10 IoT

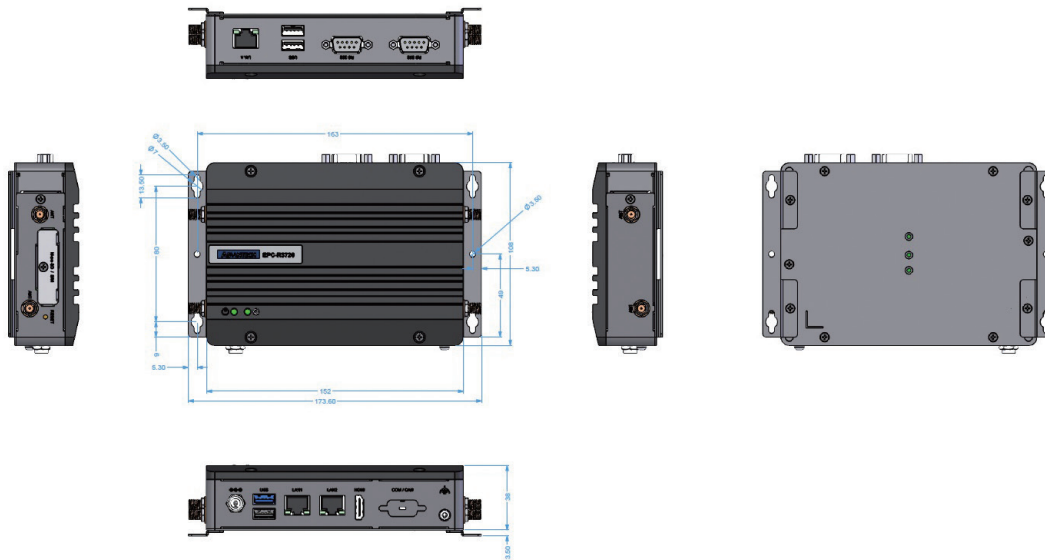


Specifications

| | | |
|------------------|--|--|
| Model | EPC-R3720IQ-AWA12B | |
| Processor System | CPU | NXP i.MX8M Plus Cortex®-A53 Quad 1.6 GHz |
| | Technology | LPDDR4 |
| Memory | Capacity | 6 GB On-board |
| | Flash | 16 GB On-board eMMC Flash for OS and 8 MB QSPI NOR Flash for board information |
| | Graphics | 1 x HDMI 2.0a, up to 3840 x 2160 at 30Hz |
| Graphics | Graphics Engine | GC7000UL with 2D/3D Graphic Acceleration supporting 1G Pixel/s, OpenVG 1.1, Open GL ES3.1, Vulkan and open CL 1.2 FP |
| | H/W Video Codec | Decoder: 1080p60 HEVC/H.265 Main, VP9 Profile 0/2, VP8, AVC/H.264 Baseline/Main/High Encoder: 1080p60 AVC/H.264, HEVC/H.265 |
| | Ethernet | Chipset: NXP i.MX8M Plus integrated RGMII Speed: 2 10/100/1000 Mbps |
| Watchdog Timer | Watchdog Timer | 1-6553s, power on/off 4s |
| Front I/O | USB | 1 x USB3.2 Gen 1 Type A, 1 x USB 2.0 Type A |
| | GbE | 2 x RJ45 for GbE |
| COM/CAN | 1 x DB9 for RS-232/422/485 and 1 x CAN-FD | |
| Rear I/O | UIO-4032 | |
| | 2 x 2 wires RS-232 1 x GbE, 2 x USB 2.0 | |
| Expansion | Full-Size Mini PCIe | 1 Full Size Mini-PCIe Slot (USB Signal Only) |
| | M.2 Micro | 1 M.2 2230 Key E Slot (USB/PCIe/SDIO/UART/I2S) |
| | SD Socket | 1 Micro SD Socket |
| | SIM | 1 Nano SIM Slot |
| | Antenna Holes | 4 |
| Power | Power Supply Voltage | +12V |
| | Power Type | Lockable DC-Jack |
| | Power Consumption | 9.2W |
| Environment | Operating Temperature | -40 ~ 60 °C |
| | Operating Humidity | 5% ~ 95% relative humidity, non-condensing |
| Mechanical | Dimensions | 174 x 108 x 25 mm |
| | Mounting | Wall mount, DIN Rail mount |
| | Weight | 750g |
| Operating System | Windows | Windows 10 IoT |
| Certifications | CE/FCC Class B/CCC/BSMI | |

Dimensions

Unit: mm



Ordering Information

| Part Number | CPU | Memory | Flash | HDMI | LAN | USB | DI/DO | Serial Port | Micro SD | Nano SIM | CAN | I/O Exp. | Operating Temperature |
|--------------------|--------------|--------|-----------------------|------|-----|-----|-------|-------------|----------|----------|-----|----------|-----------------------|
| EPC-R3720IQ-AWA12B | Quad 1.6 GHz | 6 GB | 16 GB, Windows 10 IoT | 1 | 3 | 4 | - | 2 RS-232 | 1 | 1 | 1 | UIO-4032 | -40 ~ 60 °C |

Packing List

| Part Number | Description |
|------------------|--|
| EPC-R3700-DR01 | Wall Mount BKT |
| 96PSA-A36W12W7-5 | ADP A/D 100-240V 36W 12V C6 LOCK DC JACK 62368 |
| 1700024849-01 | Power Cord BSMI 3P 2.5A 125V 180CM |

Optional Accessories

| Part Number | Description |
|---------------|---|
| 170203183C | Power Cord 3P Europe (WS-010+WS-083) 183cm |
| 170203180A | Power Cord 3P UK 2.5A/3A 250V 1.83M |
| 1700008921 | Power Cord 3P PSE 183cm |
| 1700019146 | Power Cord CCC 3P 2.5A 250V 183cm |
| 1700033212-01 | Y Cable for CAN & RS-232 Debug |
| AIW-154BN | 802.11ac+BT5.0 NXP 88W8997 M.2 2230 PCIe+UART |
| 1750008717-01 | Dipole Ant. D.B 2.4/5G WIFI 3dBi SMA/M-R BLK |
| 1750007965-01 | Antenna Cable R/P SMA (M) to MHF4, 300mm |
| AIW-344FQ-*01 | AIW-3 series LTE CAT4 mini PCI-e module |
| 1750008303-01 | Antenna 4G/LTE Antenna L=13 cm |
| 1750006009 | Antenna Cable SMA (F) to MHF 1.32 25cm |

*Please contact us for suggesting suitable cellular module for your region

Front I/O

