



Specifications

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|-----------------------|--|---|--|
| CPU | NXP i.MX8M Mini Quad, 4 x Cortex-A53 1.6GHz | | |
| RAM | 2/4GB LPDDR4 Onboard | | |
| Display | GPU: GCNanoUltra for 3D acceleration/GC320 for 2D acceleration. HDMI: Maximum resolution up to 1920 x 1080 @ 60Hz MIPI-DSI(chosen between HDMI): Maximum resolution up to 1920 x 1080 @ 60Hz | | |
| LAN | GbE x1 | GbEx2(Optional) | |
| Disk Support | On board eMMC 8~64GB (MLC) | Micro SD card | |
| I/O Interface | USB (ver. 2.0) x4 (1 Micro USB for OTG) | COM x4 (RS232/RS485) | i2c x1 |
| | SPI x2 (1 chosen between COM) | MiniPCIe x1 | Wi-Fi&Bluetooth |
| | MIPI-CSI x1 | 16-bit GPIO x1 | HD Audio |
| Connectors | HDMI Connector x1 RJ45 Connector x1 (2 for optional) micro USB x1 2.0mm 10-pin box header for COMx4 MiniPCIe slot x1 2.-pin box header for DC 5V input x1 | 1.0mm 40-pin wafer for MIPI-DSI Micro SD card slot 1.25mm 5-pin wafer for USB x1 1.25mm 5-pin wafer for i2c x1 2.0mm 20-pin box header for 16-bit GPIO DC-Jack for DC 5~30V input x1 | 1.0 mm 15-pin wafer for MIPI-CSI USB Type A x2 D-SUB 9-pin male connector for COM1 x1 1.25mm 5-pin wafer for SPI x2 1.25mm 4-pin wafer for HD audio x3 |
| Power Requirement | DC +5~30V | | |
| Operating Temperature | -20°C to +70°C | -40°C to +80°C (Optional) | |
| Dimension | 146 x 111 mm | | |
| Weight | 170g | | |
| O/S Support | Yocto Linux | Android | |

Ordering Information

| PART NO. | CPU | DRAM (LPDDR4) | Storage | Display | GLAN | USB (ver. 2.0) | COM | MiniPCIe |
|--|--------------------|---------------|---------------------------------------|----------|------|----------------|-----|----------|
| RSB-NX8MM-2EM NX8MM-35-2CMEHG | 1.6GHz (Quad Core) | 2GB | onboard eMMC 16GB Micro SD card x1 | HDMI | 1 | 4 | 4 | 1 |
| RSB-NX8MM-2EG NX8MM-35-2CMEHG2 | 1.6GHz (Quad Core) | 2GB | onboard eMMC 16GB Micro SD card x1 | HDMI | 2 | 4 | 4 | N/A |
| RSB-NX8MM-2DM NX8MM-35-2CMEDG | 1.6GHz (Quad Core) | 2GB | onboard eMMC 16GB Micro SD card x1 | MIPI-DSI | 1 | 4 | 4 | 1 |
| RSB-NX8MM-2DG NX8MM-35-2CMEDG2 | 1.6GHz (Quad Core) | 2GB | onboard eMMC 16GB Micro SD card x1 | MIPI-DSI | 2 | 4 | 4 | N/A |