Main Features

**NXP i.MX 8M Mini**
- Up to 2GHz Quad-core ARM Cortex-A53
- Real-time 400MHz Cortex-M4 co-processor
- Neon Media Processor Engine (MPE)
- Up to 4GB LPDDR4-3000 memory, up to 64GB eMMC storage

**Display and video Support**
- 1080p60 H.265/H.264/VP9 Decode, 1080p60
- MIPI DSI 1080p60
- Resistive/capacitive touch screen
- Dual channel LVDS display

**Networking**
- 10/100/1000Mbps Ethernet
- Certified WiFi 802.11ac/a/b/g/n and Bluetooth 5.2/BLE

**High Speed interfaces**
- PCIe
- 2 x USB 2.0 OTG

**Camera**
- MIPI CSI2 serial input

**Other Interfaces:**
- I2C, QSPI, SPI, PWM, JTAG, UART, SD/MMC, GPIO, timers

**OS Support**
- Linux
- Android

**Power**
- Single 3.5-5V

**Dimensions (W x L x H):**
- 30.0 mm x 55.0 mm x 4.7 mm

**-40 to 85°C industrial temperature support**

**Low Power consumption:**
- Optimized power consumption in both operational and suspend modes
Complementing the DART-MX8M-MINI

DART-MX8M-MINI Evaluation Kit

The VAR-DVK-DT8M-MINI allows full performance and capability evaluation, serving as an evaluation, development and production platform for hardware and software teams.

Evaluation Kit content
- VAR-DT8MCustomBoard populated with DART-MX8M-MINI
- 7" LCD + capacitive touch panel
- Power supply and communication cables
- Documentation and design package

VAR-DT8MCustomBoard

VAR-DT8MCustomBoard - Supporting DART-MX8M-MINI

The VAR-DT8MCustomBoard ensures a scalable and simplified development and reference board to achieve a short time-to-market for customer's designs and end-products.

Display Support
- DSI, LVDS display

Touch Panel
- Capacitive touch (6-pin FFC/FPC)
- Resistive touch (4-pin FFC/FPC)

Audio
- Headphone
- Line-in
- Digital mic

Storage
- SD/SDIO/MMC card socket

High speed interfaces
- 2x USB 2.0 ports
- 10/100/1000Mbps Ethernet RJ45
- mPCIe

Camera
- MIPI CSI serial

Additional expansion Connectors
- SPI, SPDIF, GPIO
- UART, I2C
- PWM
- SAI

Debug
- Micro USB

RTC backup battery
- CR1225 coin battery socket

Power
- 5V DC input

Size
- 15.0cm x 9.0cm

About Variscite

Variscite is a leading System on Module (SoM) and Single-Board-Computer (SBC) design and manufacture company. A trusted provider of development and consulting services for a variety of embedded platforms, Variscite transforms clients' visions into successful products.

For more information contact:
sales@variscite.com

Copyright ©2019 Variscite. All rights reserved. Variscite Ltd. logos and product names are registered trademarks of Variscite Ltd. No part of this document may be reproduced by any means, nor translated to any electronic medium without the written consent of Variscite. Information contained in this document is believed to be accurate and reliable; however, Variscite assumes no responsibility for its use. Specifications are subject to change without notice.