Bd **Boundary**
Devices

7200 West Oakland Street
Chandler, Arizona 85226

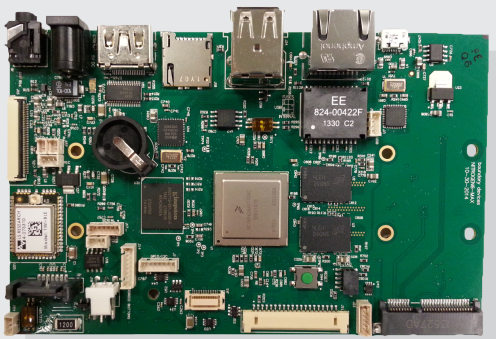**Phone:** 602.212.6744
Email: info@boundarydevices.com

NITROGEN6_MAX

PRODUCT DESCRPITION

The Nitrogen6_MAX is a turbo-charged version of our popular Nitrogen6X platform. The Nitrogen6_MAX is a single board computer that features the same Quad-Core i.MX6 processor from Freescale, but has some other notable upgrades to allow for increased performance. With the addition of 4GB of on-board eMMC, 4GB of DDR3L memory, and dual LVDS channels, the Nitrogen6_MAX is a high performance machine intended for high-end computing applications.

MAIN FEATURES

- i.MX6 Quad-Core ARM® Cortex A9 processor at 1GHz
- 4GBytes of 64-bit wide DDR3 @ 532MHz
- Board Dimensions: 5.25" x 3.5"
- 2MB Serial Flash
- Four display ports (PRGB,2x LVDS,HDMI)
- Parallel camera port with OV5642 Interface
- MIPI camera port with OV5640 Interface
- Serial ATA (SATA)
- microSDHC card slot
- 4GB eMMC
- PCI express port
- Analog (headphone/mic) Audio and 2W Amplified Audio
- 10/100/1G Ethernet
- 2 RS-232 Serial ports + 1 Selectable RS485/RS232
- 10-pin JTAG interface
- I2C/GPIO/SPI
- 3 High speed USB ports (2xHost, 1xOTG)
- CAN port
- Real Time Clock
- TiWi 802.11 b/g/n WiFi+BT standard
- Supports Android 5.0, Ubuntu 14.04, Yocto
- Industrial Temperature Versions Available
- Custom Versions Available

OS SUPPORT