

NCS36510

System-on-Chip Zigbee® Thread® 2.4 GHz IEEE 802.15.4



NCS36510 System-on-Chip 2.4 GHz IEEE 802.15.4 ARM® Cortex®-M3 RAM/NCS365101 VNCNCS36510NCS3651032 ARM Cortex-M3
 NCS36510640 kB48 kBRAMNCS36510MACDMAUART2SPI2I2C2PWMRTC3WDT18 GPIO10ADC4/802.15.4 MAC Zigbee 3.0 Thread
 NCS36510RF PCBNCAT00LKT002G40

- Low Voltage Operation (as low as 1.0V)
- Ultra-Low Transmit Power Consumption (as low as 6.9mW)
- Ultra-Low Receive Power Consumption (as low as 6.6mW)
- Multiple Sleep Modes (Including 0.65 µA Coma Mode Sleep Current, 0.18 µA Coma Mode Leakage Current)
- Antenna Diversity
- Embedded Memory Configurations (640 kB FLASH and 48kB RAM)
- Exceptional Receiver Sensitivity of -99 dBm
- Programmable Output Power Up to ~8 dBm
- Supports external LNA & PA
- 2.4 GHz IEEE 802.15.4-2006 Transceiver PHY and MAC
For more features, see the data sheet
- Enables Alternative Energy Sources (ex. energy harvesting, low voltage batteries)
- Extended Battery Life, Energy Conservation
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- Increases Link Budget ~6 dB
- Internet of Things (IOT)
- IEEE 802.15.4 Applications
- Connected Home - Security, Automation, and Lighting
- Building and Industrial Automation
- Smart Grid Applications
- Energy Harvesting and/or Battery Powered Sensor Nodes
- Smart Meters
- Thermostats
- Electronic Security Devices & Controls (Door Locks, etc.)
- Smoke/Carbon-Monoxide Detectors & Alarms

	Pricing (\$/Unit)	Compliance	Status	Data Transmission Standard	Frequency Band (MHz)	Carrier Frequency (MHz)	Package Type
NCS36510MNT XG	4.5885		Active	RF	2400-2480	2400-2480	QFN-40

