

# SYMMETRY



ELECTRONICS CORPORATION






















## CORPORATE OFFICE



















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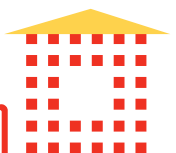
WWW.SYMMETRYELECTRONICS.COM

 炬力集成	DSP based audio/video multimedia SOC chips
	IC solutions for lighting, motor control & drive, power management, optical sensors, inductive proximity sensors
	RFID solutions, LP SRAM, FIFOs, Flash, SDRAM, DRAM, zero bus latency SRAM and masked-ROM, custom combination memory (Flash + RAM)
	Graphical User Interface (GUI) solutions for embedded systems. Easily generated high-end user interfaces for color and monochrome displays
	High performance antennas and RF/GPS modules for mobile handsets and portable devices
	Long range (up to 40 miles) industrial wireless technology. Wireless ethernet bridges, multi-point radios, wireless modules
	Multimedia network products, decoders, MPEG encoders, video converters, LCD/surveillance controllers, line/frame buffers
	Completely integrated and certified Bluetooth class 1 and class 2 modules and access servers for cable replacement and audio applications
	Precise linear and rotary sensors using resonant inductive position sensing technology
	DECT RF chips and modules, common voice modules, VoIP processor chips, ultra-low energy RF sensor modules
	Leader in design and manufacturing MEMS motion sensors including 3-axis accelerometers(G-sensor) and gyroscopes
	Internal & external antennas for M2M, telemetry, monitoring applications such as GSM, Cellular, 3G, GPS, ISM (Bluetooth, Zigbee), WLAN and RFID
	8/16/32-bit Microcontrollers, graphics display controllers, power management ICs, other computing and networking products
	Low power Wi-Fi modules with many options of provisioning for ease of connectivity
	Laser diode and line drivers, opto sensors, emitters and encoders, DC/DC converters, I/O circuits and interpolators
	Custom ICs built to replace EOL products, 32-bit microcontrollers
	Innovative silicon solutions for Gigabit/s data transfers of high resolution digital video
	The world's largest independent manufacturer of memory modules, SIMMs, DIMMs, DDR modules, SSD, USB and compact Flash memory products
	Network enabling technology. Serial to ethernet connectivity, serial to 802.11, modular, embedded and boxed solutions
	Low power, small size, highly integrated GPS modules utilizing SiRF and uNav/Atheros chips
	Hall effect sensors for automotive, industrial and motion control systems. Gas sensors based on CCFET and MOSFET technologies

	GSM terminal products, GPS modules for navigation and timing applications
	2.4GHz, 900Mhz, 433Mhz RF transmitters and transceivers for the consumer, medical, industrial, scientific, and wireless audio markets
	WiFi chipsets and modules. Ultra low-power 802.11n wireless sensor modules
	Easy to use RF modules using chips from Nordic and other RF IC companies
	Ultra-low power Bluetooth and WiFi serial adapters, sensors, modules. Solutions to access wireless enabled PCs, PDAs, cell phones, and networks
	High-end solid-state storage products. SSD solutions aimed at speed, quality, value, and power for Prosumer, Industrial and Military markets.
	HDMI/DVI transmitters, receivers & port processors, MHL, storage controllers
	Precision video scalars, deinterlacers. Acquired by Silicon Image
	Wireless uncompressed HD video, audio & data. Acquired by Silicon Image
	Power over Ethernet (PoE) modules, battery charger modules, Subscriber Line Interface Circuit (SLIC) modules, and PSTN/trunk interfaces, COICs
	Cellular modules for machine-to-machine (M2M) communication including quad band GSM/GPRS and CDMA, Zigbee & short range RF
	Voltage detectors and regulators, LDOs, DC/DC converters, charge pump and PLL ICs, temperature sensors and 3-axis accelerometer
	Leading DTV multimedia solutions provider of audio system-on-chip solutions, video demodulators, USB audio, and video processors
	Motion control solutions including ICs, modules and integrated motors with driver modules
	Zigbee / 802.15.4 solutions and ultra-low power RF devices
	Power management, analog switch & multiplexer, system interface, ESD protection & TVS diode array
	High definition multi-format video transcoders, encoders, and decoders
	Fully Hardwired TCP/IP embedded Ethernet controllers, Serial-to-Ethernet gateway modules

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## WORLDWIDE COVERAGE



## SOLUTIONS BY SYMMETRY ELECTRONICS

Symmetry Electronics works directly with our partners to offer custom solutions. Symmetry Electronics can offer engineering and manufacturing resources to help you with the following parts of your design process:

- Architecture definition and part selection
- Circuit board design
- Schematic and layout reviews
- Antenna design and matching
- Software design services
- Software development tools and IP
- Custom module design
- Complete logistics programs

We can help accelerate your time to market.

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## PRODUCTS BY TECHNOLOGY

### WIRELESS

<b>Bluegiga</b>	Bluetooth modules
<b>GainSpan</b>	Wi-Fi modules/chips
<b>MMT</b>	GPS modules
<b>Telit</b>	GSM, CDMA, UMTS
<b>Redpine Signals</b>	WiFi, 802.11a/b/g/n
<b>Dialog</b>	DECT, VoIP, sensor modules
<b>Nordic</b>	2.4GHz, 915/868/433Mhz
<b>Roving Networks</b>	Bluetooth, WiFi modules
<b>NavSync</b>	GPS, GSM, WiFi
<b>Lantronix</b>	Serial to WiFi
<b>AvaLAN</b>	Long range wireless
<b>RF Digital</b>	RF modules, accessories
<b>Antenova</b>	Chip antennas, GPS
<b>EAD</b>	RF antennas, RF cables
<b>AMIC</b>	RF ID
<b>UBEC</b>	Zigbee

### VIDEO & AUDIO

<b>Trident</b>	High-end video/audio
<b>Silicon Image</b>	HDMI, wireless HD, video processors
<b>ViXS</b>	HD video transcode, encode, decode
<b>Fujitsu</b>	Graphics display controllers
<b>Averlogic</b>	Video decoders, FIFOs, processors
<b>Actions</b>	Multimedia DSP SOC
<b>Amulet</b>	GUI display controllers
<b>Inova</b>	Video routing

### NETWORKING & INTERFACE

<b>Lantronix</b>	Device networking
<b>Dialog</b>	VoIP
<b>Silvertel</b>	SLIC, COIC, PSTN
<b>WIZnet</b>	Hardwired TCP/IP ethernet controller ICs
<b>AvaLAN</b>	Wireless ethernet
<b>Union</b>	Buffers, line drivers

### MEMORY & STORAGE

<b>Runcore</b>	SSD drives, solid-state storage cards
<b>AMIC</b>	SRAM, SDRAM, FLASH
<b>Silicon Image</b>	Bridges, controllers, SATA
<b>Kingston</b>	Memory modules, SSDs

### CONTROL & LOGIC

<b>Fujitsu</b>	Microcontrollers
<b>Trinamic</b>	Motion control
<b>Micronas</b>	Hall sensors, auto MCUs
<b>iC-Haus</b>	Opto sensors, laser drivers
<b>Domintech</b>	3-axis accelerometers motion sensors
<b>Innovasic</b>	Processors, MCU
<b>Cambridge IC</b>	Resonant inductive position sensors
<b>Alpha Micro</b>	Lighting & sensors

### POWER

<b>Torex</b>	LDO, DC/DC, diodes
<b>Silvertel</b>	PoE, battery charger modules
<b>Fujitsu</b>	Power management ICs
<b>iC-Haus</b>	DC/DC converters
<b>Union</b>	ESD, TVS, EMI/RFI, supervisory