

IOT SOLUTIONS

Manufacturers	Products	Applications
	<p>Position Sensor Au2001 Non-magnetic sensor chip, non-contact position sensing Operating voltage from 2.8 to 3.6V, average current 2.3µA Supports SPI for simple interface with micro controllers Supports two modes: low sensitivity and high sensitivity mode Package: 3 x 3 x 1mm 16 pin QFN</p> <p>MEMS 3-axis and 6-axis accelerometers, automotive IMU, consumer IMU Suited for noise reduction, step counting, tapping detection, vibration/drop/tilt detection, gesture recognition Extended temperature range, low power consumption, high reliability, AEC-Q100 qualified, low noise, TDM/I2S/I2C/SPI digital interface</p>	<p>Position Sensors, Water Flow Sensors, True Wireless Stereo, Consumer Products, Automotive, Anti-Theft Systems, Collision Warning and Crash Prevention systems, Navigation, Drones, Robots, VR, Smartphones, Wearables, Activity Tracking</p>
	<p>Barantech's products combine elegance with high reliability, durability and precision Built for extreme conditions: flawless operation regardless of weather, vandalism Customizable designs, different materials: stainless steel, aluminum, glass, plastic</p> <p>Elegant High-Quality Switches Touch metal piezo switches, momentary pulse switches, smart and high voltage switches No moving parts, hermetically sealed, vibration and impact tested, programmable, non/RGB illuminated, round or square shape Enhanced touch - operation by hand, gloves or tools Work trouble-free for over 50 million activations</p> <p>HMI Control Panels Glass & polycarbonate control panels, aluminum/stainless steel control panels, security and access control panels Glass panels: touch technology, else: piezo touch buttons in solid-state construction Backlighting in different colors (glass panels), illuminated/RGB LED, different housings, hermetic housing, no moving parts Compatible with different communication protocols, IoT capable through Bluetooth</p> <p>Keypads Aluminum/stainless steel housing, no moving parts, with LED indication Maximum long-term use, low maintenance, perfect for high-risk areas Matrix output to eliminate costly ASIC interfaces</p>	<p>Marine Control Systems, Luxury Yachts, Diving Equipment, Car Wash, Medical, Hygiene, Food Processing, Chemical, Public Transport, Parking Systems, Charging Terminals, Bike Share Terminals, Automated Environments, Oil & Gas, Aviation, Defence, Access Control Keypads & Panels, Security Gates, Anti-Vandal, White Goods, Manufacturing, Emergency Switches</p>
	<p>Power management ICs for energy harvesting applications, enabling device autonomy Harvesting from any kind of source: solar, thermal or AC sources, indoor, outdoor, artificial light, low and high-power sources can be addressed Ultra low cold-start (2µW) allows start from indoor light, high boost efficiency, fast charging Boost or buck-boost architectures, single or dual source, minimize BoM and board footprint</p>	<p>Industry 4.0, Smart Building, Remote Controls, Wearables, Trackers & Sensors, Electronic Shelf Labels</p>
	<p>Character Displays from 0.42" to 15.6", with or w/o backlight, touch panels TFT LCD modules, TN/STN/FSTN/DFSTN LCD modules, VA LCD modules, COG displays OLED modules, OLED switches, UART TFT displays, HMI modules, RGB LED modules</p>	<p>Industrial applications, Medical devices, White goods</p>