



Developer & Enterprise Solution Components

Code	Component	Description
VersaSense IoT Fabric		
A00	VersaSense Weather-proof Armor	<ul style="list-style-type: none"> Waterproof outdoor enclosure for Pxx / Lxx Built using heavy duty ABS plastic
Pxx	VersaSense Wireless Device (SmartMesh IP)	<ul style="list-style-type: none"> SmartMesh IP™ 802.15.4e 2.4GHz Network Module 99.999% reliable mesh network Supports 3 VersaSense Sensors Smart battery with real-time monitoring
Lxx	VersaSense Wireless Device (LoRaWAN)	<ul style="list-style-type: none"> LoRa™ 868MHz Network Module Up to 5KM range in suburban settings Supports 3 VersaSense Sensors Smart battery with real-time monitoring
Sxx	VersaSense Sensor Family	<i>See next pages for full list</i>
M01	VersaSense Edge Gateway (SmartMesh IP)	<ul style="list-style-type: none"> SmartMesh IP™ 802.15.4e Network Module Supports up to 100 VersaSense Wireless Devices (Pxx) 802.11b/g/n WiFi and 100mbps Ethernet RESTful API and web interface
K01	VersaSense Eval & Dev Kit (SmartMesh IP)	See datasheet
K02	VersaSense Eval & Dev Kit (SmartMesh IP, no batteries)	See datasheet
VersaSense IoT Cloud Services		
C01	VersaSense IoT Cloud "as a Service" Setup	<ul style="list-style-type: none"> Public or virtual private cloud setup, dedicated instance on Amazon EC2 Consisting of <ul style="list-style-type: none"> Fabric Management service Data Analysis service with Archiving, Visualization & Alerting RESTful API and web interface
C02	VersaSense IoT Cloud "as a Service" Subscription	<ul style="list-style-type: none"> Public or virtual private cloud subscription Yearly per-device hosting fee

Code	Description	Power Supply Needed
Z01	Commissioning Peripheral with Micro-USB cable	N/A
Sensors and Actuators		
S01	Passive Infrared Presence Sensor	NO
S02	Accelerometer	NO
S03	Temperature Sensor (combined with S04)	NO
S04	Humidity Sensor (combined with S03)	NO
S05	Microphone	see datasheet
S06	Barometric Pressure Sensor	NO
S07	Pyranometer	YES, included
S10	Light Sensor	NO
S11	RFID Reader	YES, use Z01 with USB power supply (not included)
S13	DC Power Monitor and Relay	NO
S14	AC Power Monitor and Relay	NO
S15	Surface Temperature Sensor	NO
S16	Ultrasonic Distance Sensor	YES, use Z01 with USB power supply (not included)
S17	Object Detection Sensor	NO
S19	Buzzer Actuator	NO
S22	CO2 Gas Sensor	YES, included
S23	Memory Display	NO
S26	pH Sensor	NO
S27	Oxygen Gas (O2) Sensor	NO
S28	Ammonia Gas (NH3) Sensor	NO
S29	Ethylene Oxide Gas (VOC) Sensor	NO
S30	AC Current Monitor using Clamp	NO
S36	Time of Flight Distance Sensor	NO

Code	Description	Power Supply Needed
Sensing Interfaces		
S24	Current Loop (4-20mA) Interface	YES, included
S25	DC mV Sensor	NO
S31	AC/DC mV Sensor	NO
S32	RTD Interface	NO
S33	Strain Gauge Interface	NO
S34	Button Interface	NO
S35	Pulse Counter Interface	NO
S37	Bluetooth	YES, use Z01 with USB power supply (not included)
S38	Thermistor Interface	NO
S39	High Res Current Loop (4-20mA) Interface	YES, included
S40	Heat Flux Sensor Interface	NO
Custom Sensor Integration		
If your application requires a sensor not currently on the list, please contact us as new options are being added monthly and custom sensor integration can be achieved with lead times measured in weeks.		