



The SkyCentrics SkySnap

The Volttron enabled, 'swiss army knife' of
Conscious, Connected Buildings

VOLTTRON Conference Presentation
San Francisco - May 16, 2017

Connected, Conscious Buildings

- Complete solution from sensors to apps
- Scalable cloud software platform
- Customer traction in utilities and commercial property
- Partnerships with major OEM for go-to-market
- Deploying VOLTTRON hardware in smart buildings



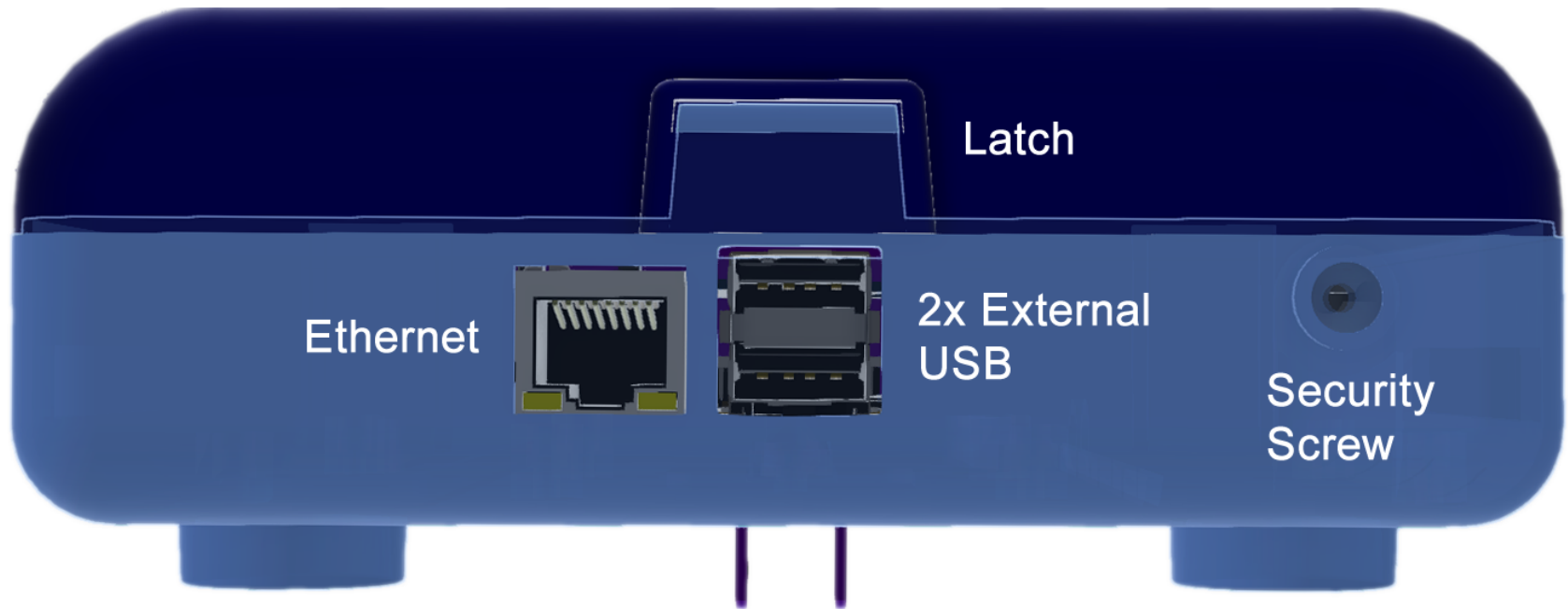
SkySnap 100



SkySnap 100 & 200 Front View

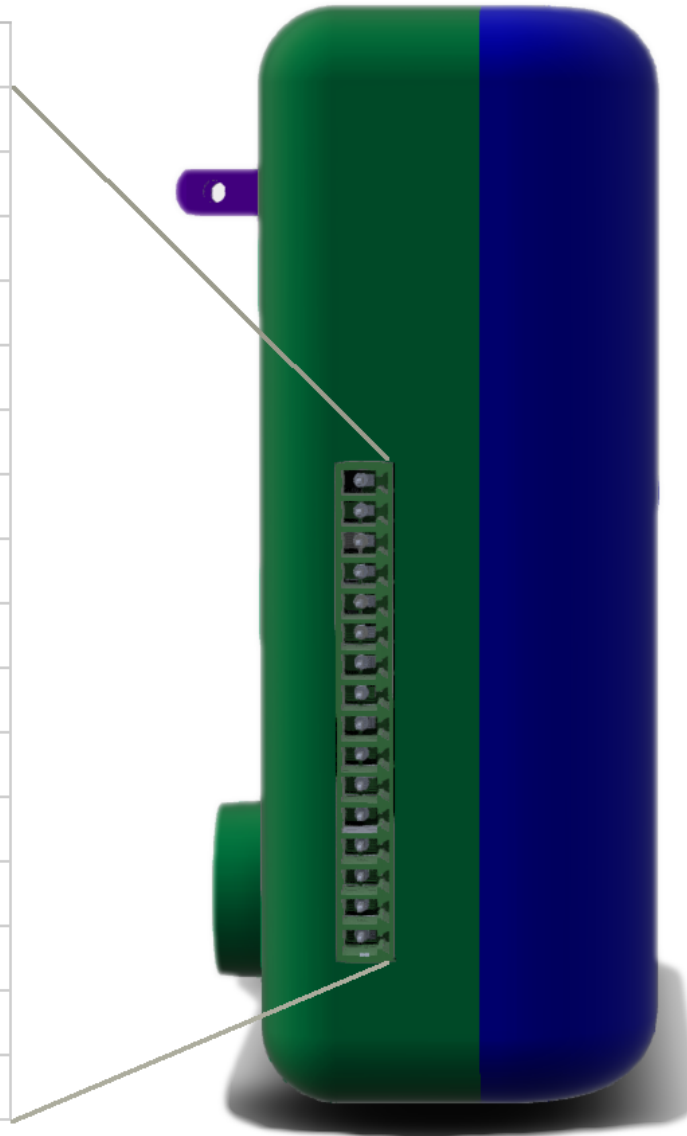


SkySnap 100 & 200 Bottom

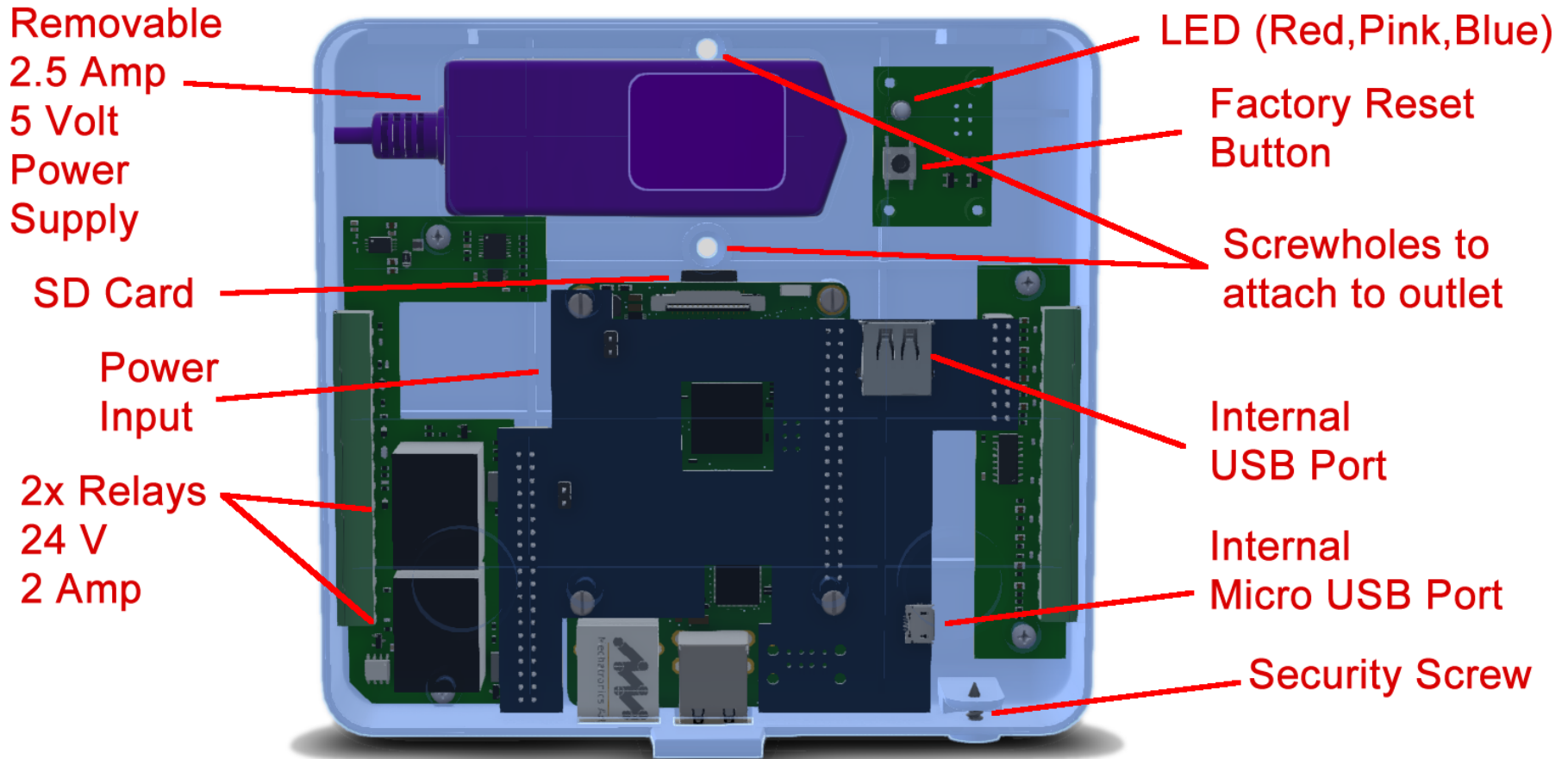


SkySnap 200 Side View

Pin Number	Function
1	GPIO 18/:PWM
2	Ground
3	GPIO 25
4	Ground
5	0-10V output
6	Ground
7	0-10V output
8	RS 485 D+
9	RS 485 D-
10	Ground
11	Relay 1 In
12	Relay 1 out
13	Relay 2 In
14	Relay 2 out
15	1-wire
16	1-wire Ground



SkySnap 200 Interior



Demand

Apps

Device management portal for utility and owners
iOS & Android Apps

Response

Rest API

Flexible partnerships with web / mobile apps

Environment

Cloud

Private or shared cloud Enterprise-grade security
Scalable and redundant

&

Asset

Firmware

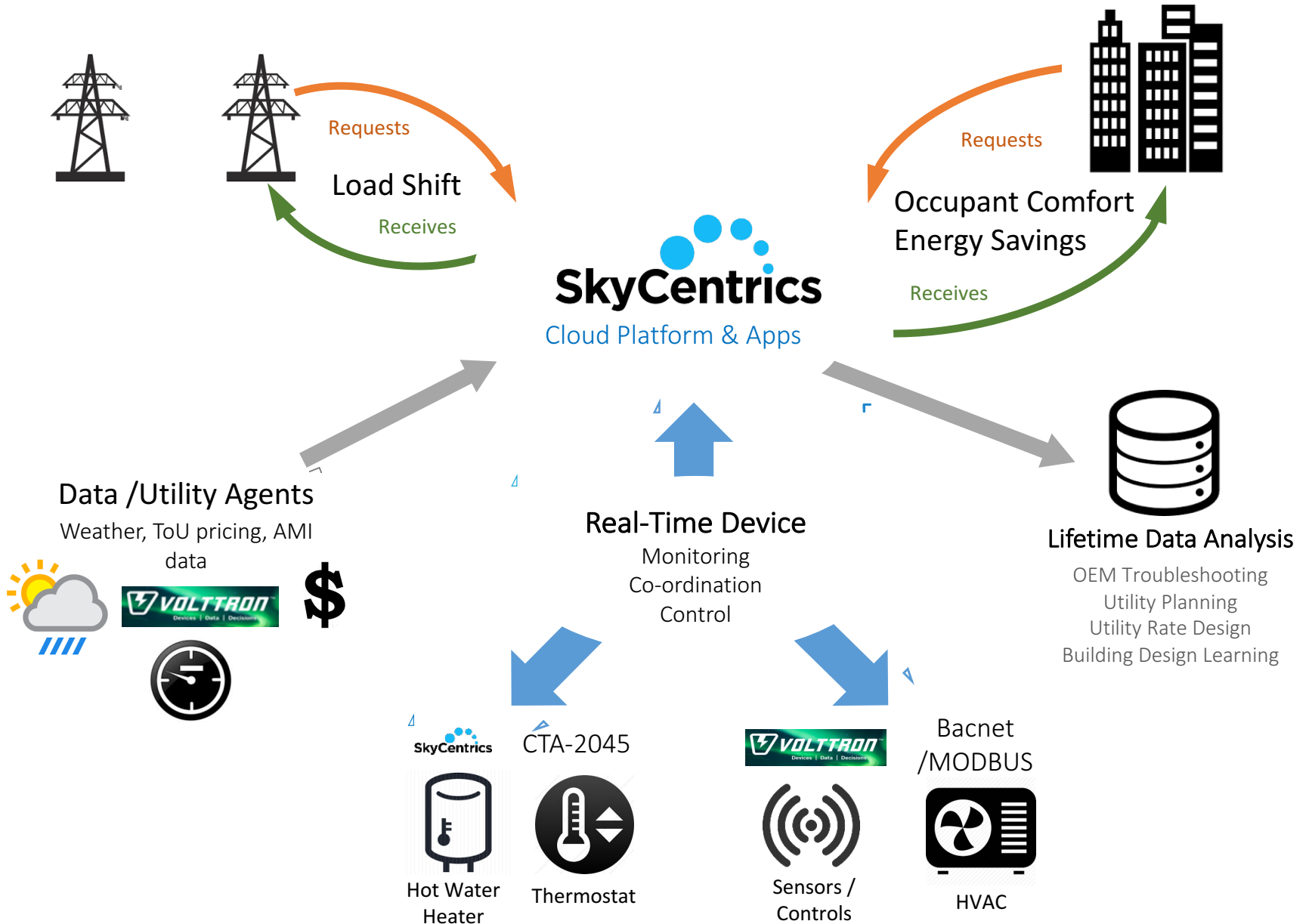
2-way comms, OTA updates, TLS/SSL to cloud,
MQTT FMB, 5s resolution, low latency

Management

Hardware



SkyCentrics Energy Ecosystem



CTA-2045 Appliance Controllers



USNAP (AC)
Water Heaters,
Pool Pumps
PTAC / AC



USNAP (DC)
Thermostats,
EV Chargers
Water Heaters
Mini-splits



Device Controls & Sensors



SkySnap 200

BLE Gateway
7 Circuit Sub-Metering
1-wire Temperature sensors
2 relays, 4 0-10V dimmers



SkySense 100x

BLE Sensor, Temp,
Humidity, Pressure,
Water Leak, Occupancy



CTA-2045 OEM

Electric Vehicle
Chargers



Hot Water
Heaters



Thermostats,
Mini-Splits, PTACs



Pool
Pumps



