



2020 EDUCATION PROGRAM • FREE INDUSTRY SESSION

TUES. FEB. 4 • 12:00PM – 1:00PM • LOCATION: W311C



BRAD WHITE
President;
SES Consulting



CALVIN SLATER
Engineer; Climatec



NICOLAS WAERN
CEO & Digital
Transformation
Expert; Winnlio



ZACH NETSOV
Product Specialist;
Contemporary Controls

Next Generation HVAC Controls: Open Discussion For Open Future

Presented by AutomatedBuildings.com

BAS-OSI (Open Systems Interconnection) Cake

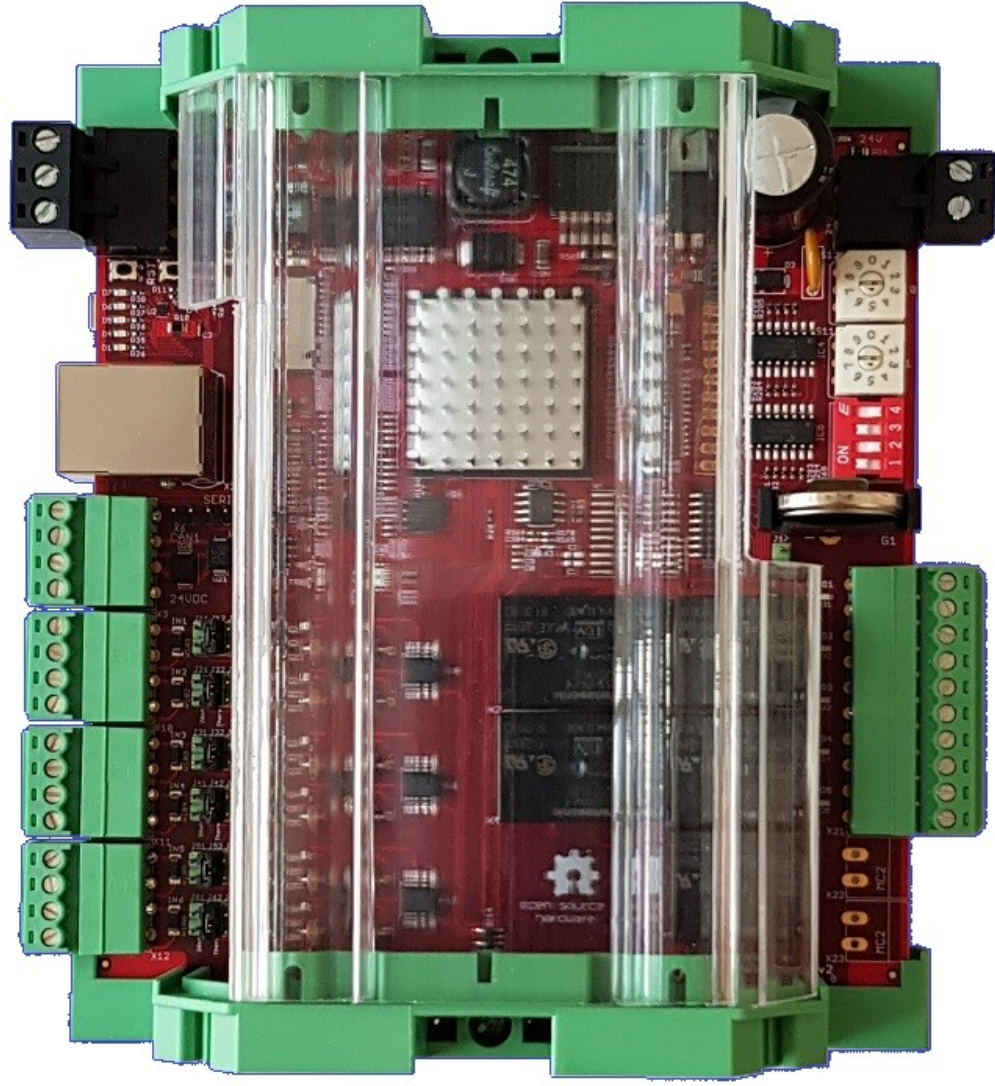


Cloud, AI, ML, Analytics, Web Services

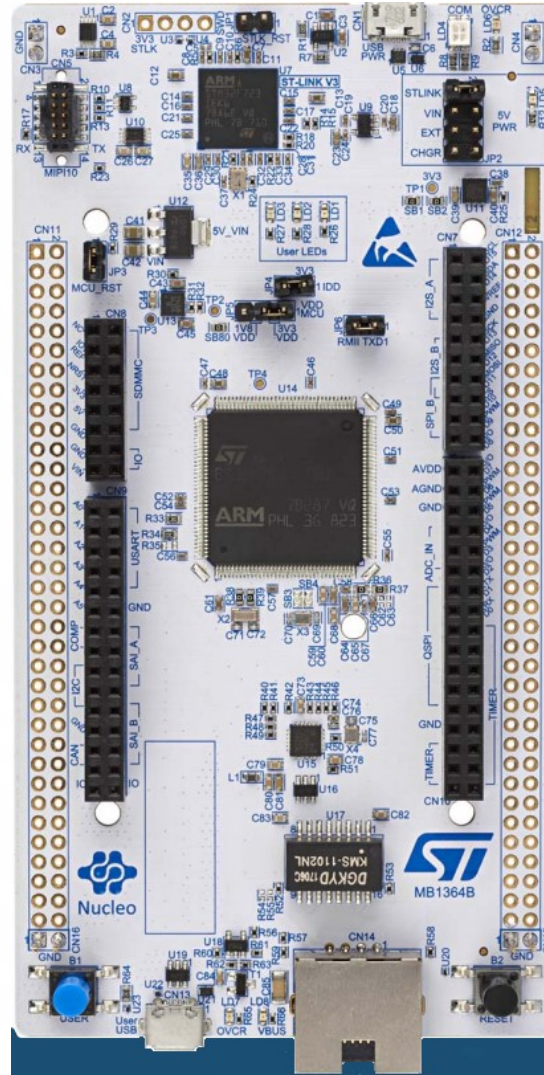
Control Frameworks,
Standardized Site Metadata,
Distributed Self-Documenting
Data Structures, APIs

Programmable
Field/ Edge DDC
Controllers, Communication
Protocols, Protocol Gateways

Sensors/ Transmitters,
Actuators, Configurable
Communicating Field Devices

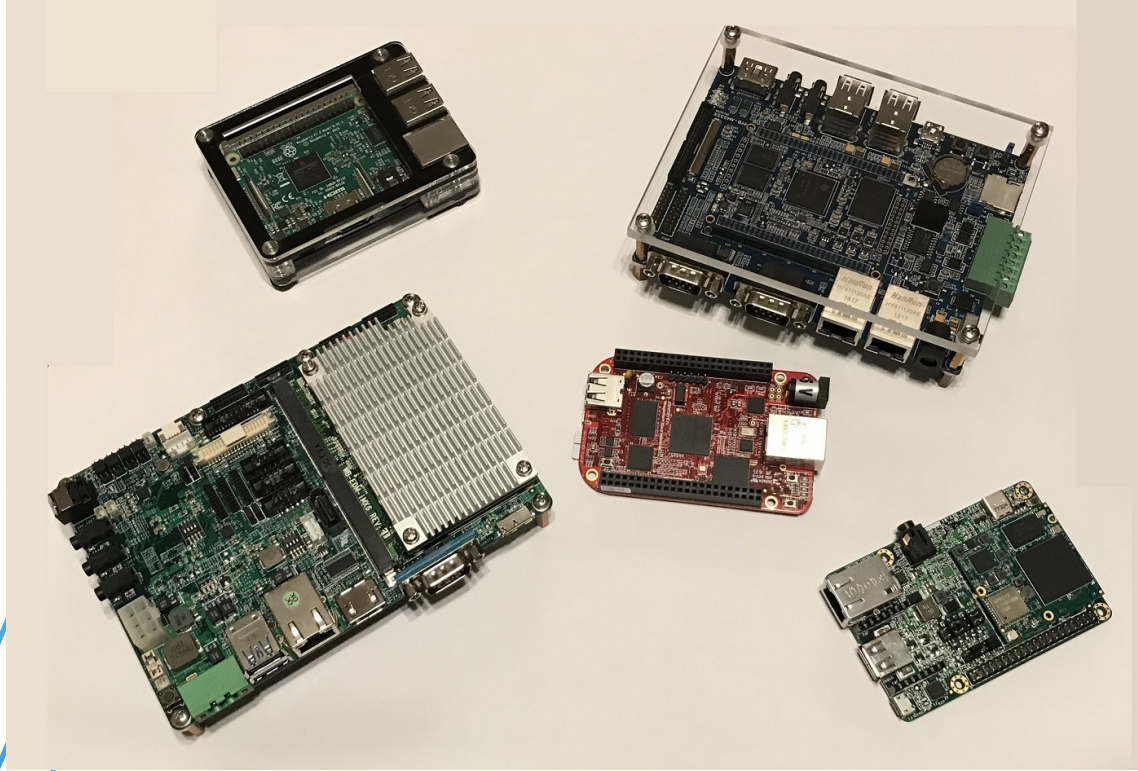


Arm Cortex-M7
(STM32H7) 480MHz
1Mb SRAM
2 Mb Flash



Arm Cortex-A8
(AM3358) 1GHz
512Mb DDR RAM
4 Gb EMMC Flash





FULLY ISOLATED RS-485 PORT

USB

uSD

IP

RS-485

6 UIs

24 VAC OR DC POWER

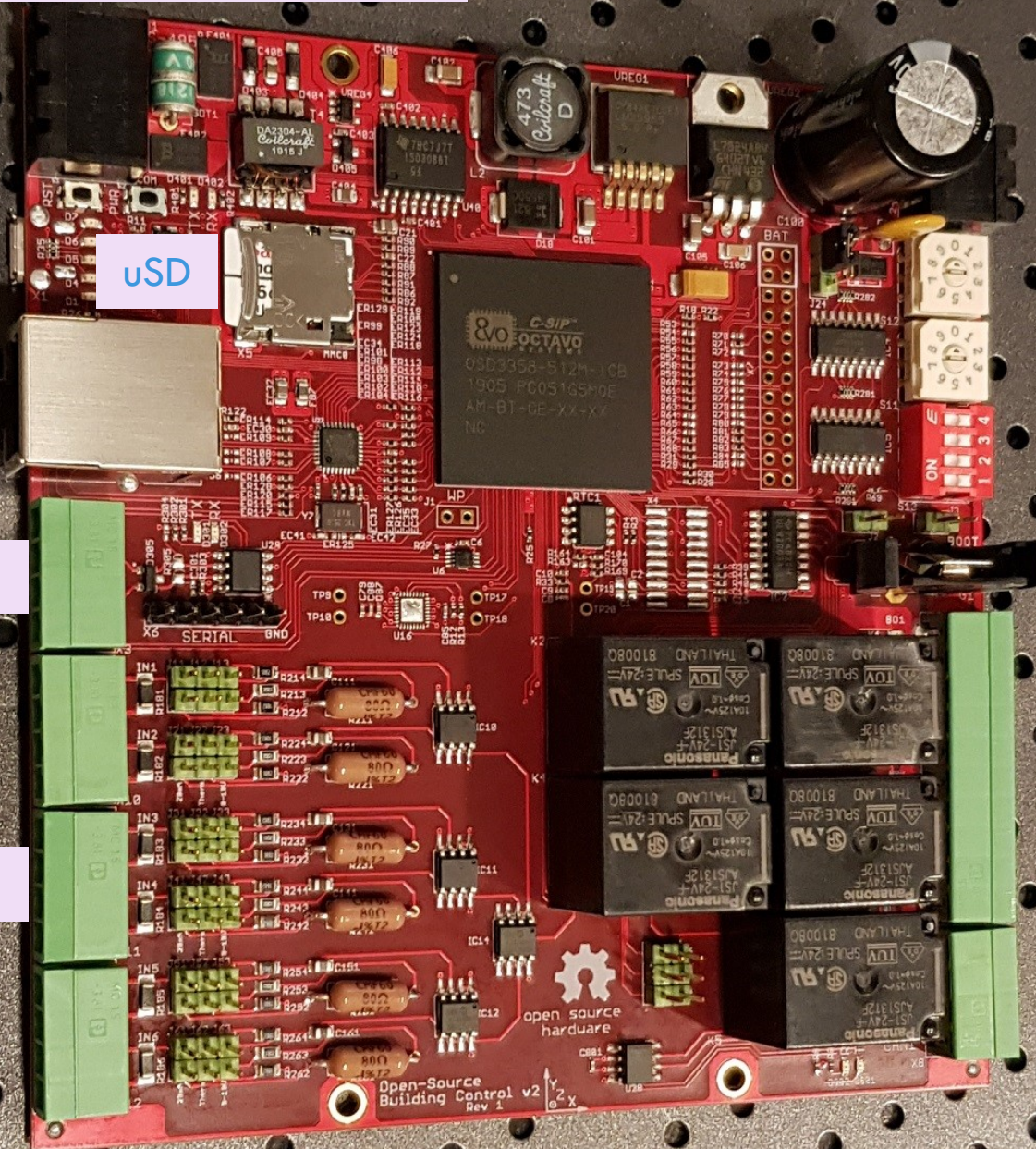
DECIMAL ADDRESS SWITCHES

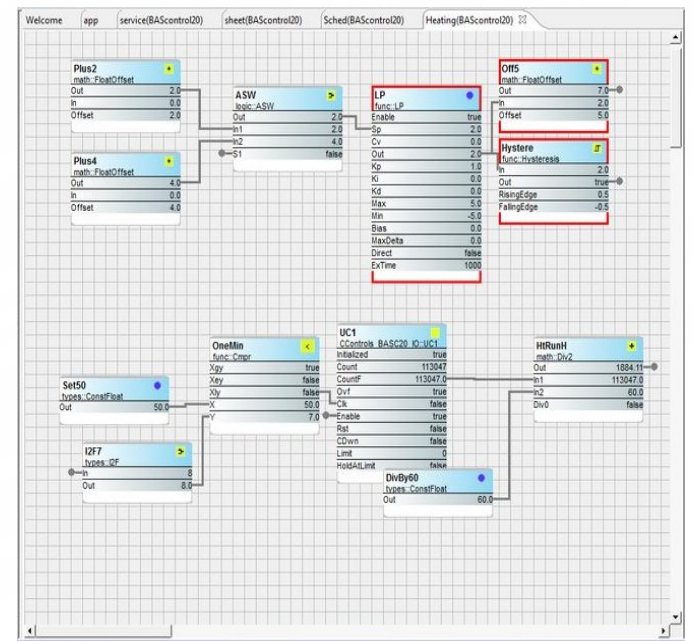
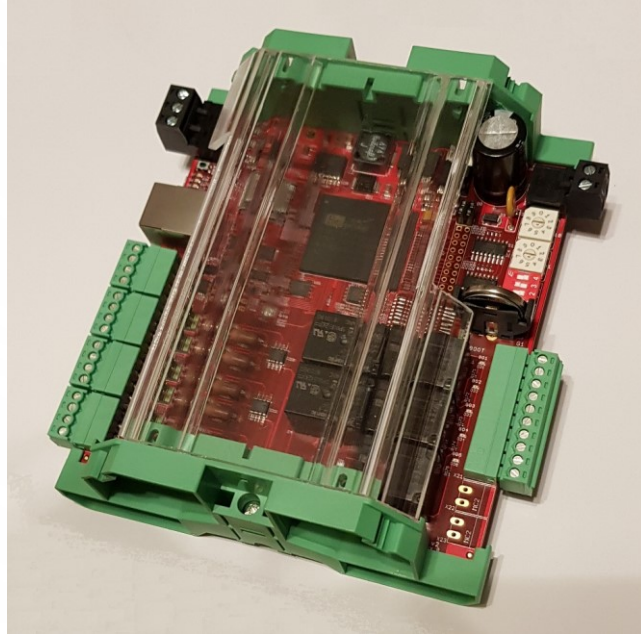
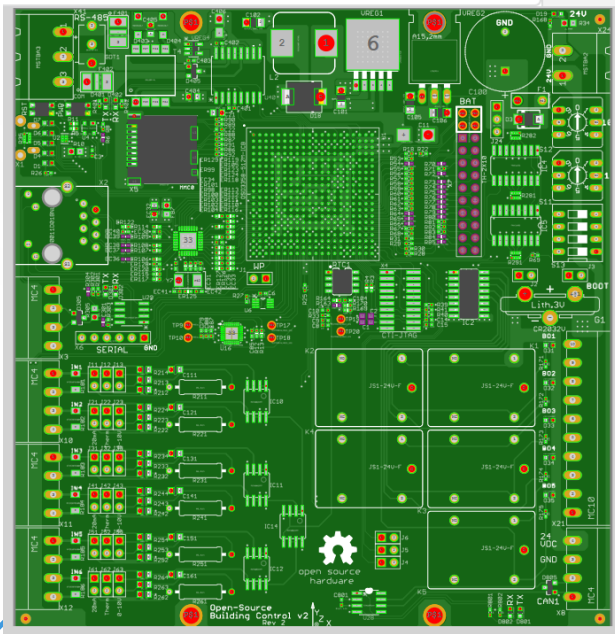
REAL TIME CLOCK

FIVE RELAY OUTPUTS

CAN NETWORK

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OPEN SOURCE SOFTWARE



