AUGMENT UDOO BOARDS AND MAKE THEM MORE VERSATILE

UDOO BRICKS

MY HOME SENSORS

EXPORT ALL THE DATA

A9
M4
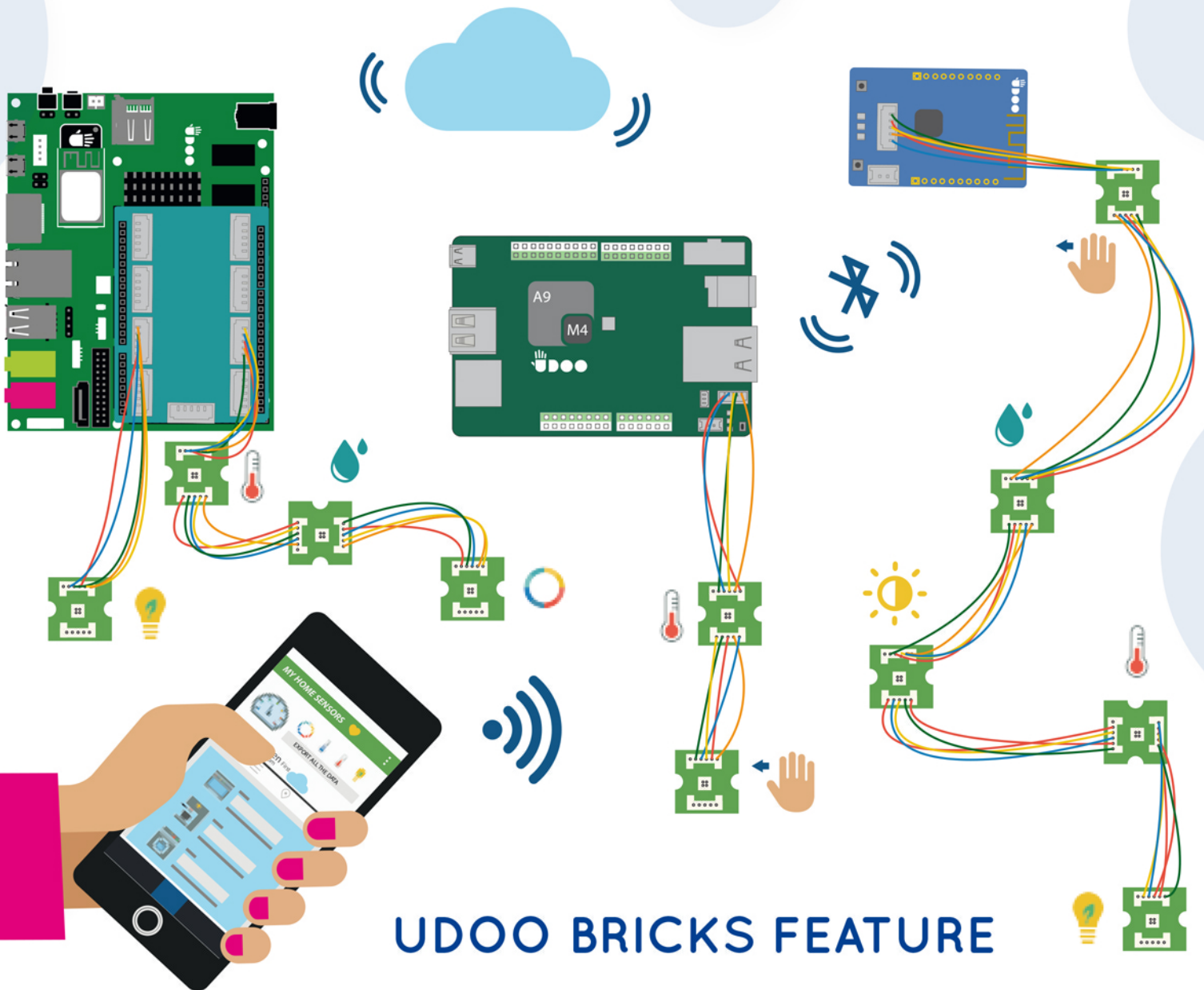
UDOO BRICKS FEATURE

I2C Snap-In Connector
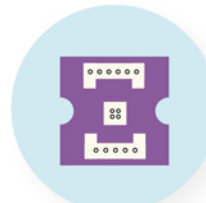Plug into the I2C port thanks to the brand new Snap-In Connector

Cascade Configuration
Attach multiple sensors to the same board without wasting space

Broad selection
Tons of BRICKS to choose from: Humidity, Temperature, Altimeter, Relay, Light, Gesture, etc.

Compatible with all UDOO BOARDS
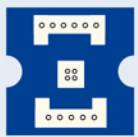UDOO BRICKS are compatible with all the available UDOO BOARDS

THE FLEXIBLE WIRELESS EXTENSION FOR YOUR IoT PLATFORM

BLU

Bluetooth Low Energy
Multi-standard 2.4 GHz
ultra-low power consumption

UDOO Bricks compatible
Compatible with all UDOO
BOARDS

9-Axis Motion Sensors
Accelerometer
Gyroscope
Magnetometer

Extremely Small Size
Board (45mm x 35mm;
1,77inch x 1,37inch)

FEATURES

▣	**Processor**	Texas Instruments CC2650 ARM® Cortex®-M3 Up to 48 MHz
⊞	**Networking**	Bluetooth Low Energy (BLE) ZigBee, 6LoWPAN
🌡	**Integrated Sensors**	FXOS8700CQ Accelerometer+Magnetometer FXAS21002C Gyroscope+Temperature 1x Sensors Snap-in i2C connector for UDOO Bricks
💡	**LEDs**	3x User Configurable LEDs (Red, Yellow, Green)
∟	**Dimensions**	45mm x 35mm (1,77inch x 1,37inch)
▣	**Digital I/O Pins**	8x Digital GPIOs
▣	**Analog Input Pins**	6x Available ADCs
⬤	**Button**	2x Buttons
▤	**Other Interfaces**	1x I2C 1x SPI 1x UART Serial
▭	**Power Supply**	Battery holder (button-cell) CR 2032 External power supply
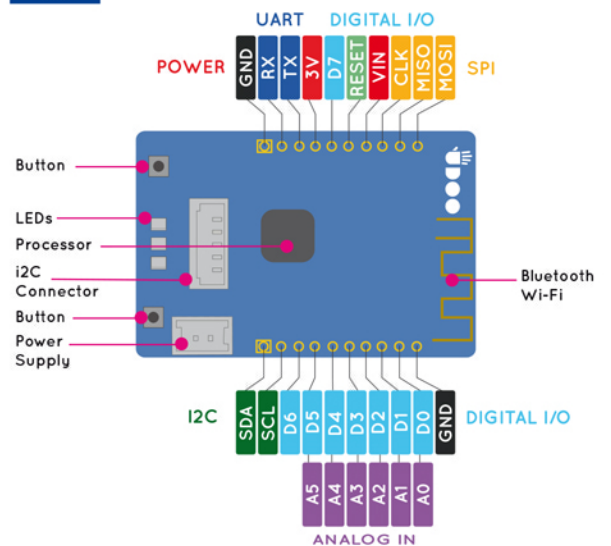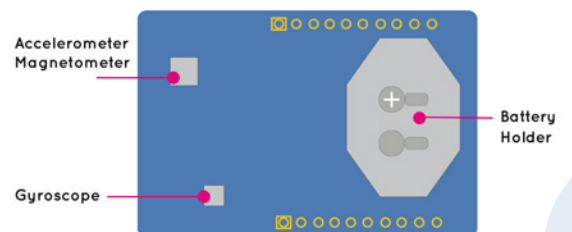
18.10.2016

Information subject to change. Please visit www.udoo.org to find the latest version of the datasheet.

TOP

POWER — GND RX TX 3V D7 RESET VIN CLK MISO MOSI
UART **DIGITAL I/O** **SPI**

Button
LEDs
Processor
i2C Connector
Button
Power Supply

Bluetooth Wi-Fi

I2C — SDA SCL D6 D5 D4 D3 D2 D1 D0 GND **DIGITAL I/O**

A5 A4 A3 A2 A1 A0
ANALOG IN

BOTTOM

Accelerometer Magnetometer

Gyroscope

Battery Holder

www.udoo.org