

IoT hub: the iCon

The only Internet-of-Things hub you need. No matter how large the network, a single iCon can communicate with your entire configuration for a more efficient control system.



AMPTEK
TECHNOLOGIES INC.

A multipurpose hub **made for you.**

The iCon is Amptek's latest innovation that uses recent IoT development and research. Our current innovation in lighting technology enables you to customize your own LED lighting network by creating a unique iCon-Dimmer configuration to fit your needs.



Control in the palm of your hands.

Our current innovation in IoT lighting has resulted in our release of the iConDimmer mobile app, now available on the Apple Store and Google Play Store. The app is used to take full control over your IoT lighting network.

Divide your lighting network by creating individual zones within your lighting network through our mobile app. Dividing your system into individually controlled zones is an effective way to better manage your energy consumption in industrial, commercial, and residential environments.

Adjust the brightness of your zones to light different areas of your network to appropriate intensities.

Schedule light activity to coordinate when certain zones in your lighting network intensify, dim, and power on or off. Scheduling alarms can be set to the minute and to specific days of the week, allowing for a variety of configurations to fit your needs.



Divide

Adjust

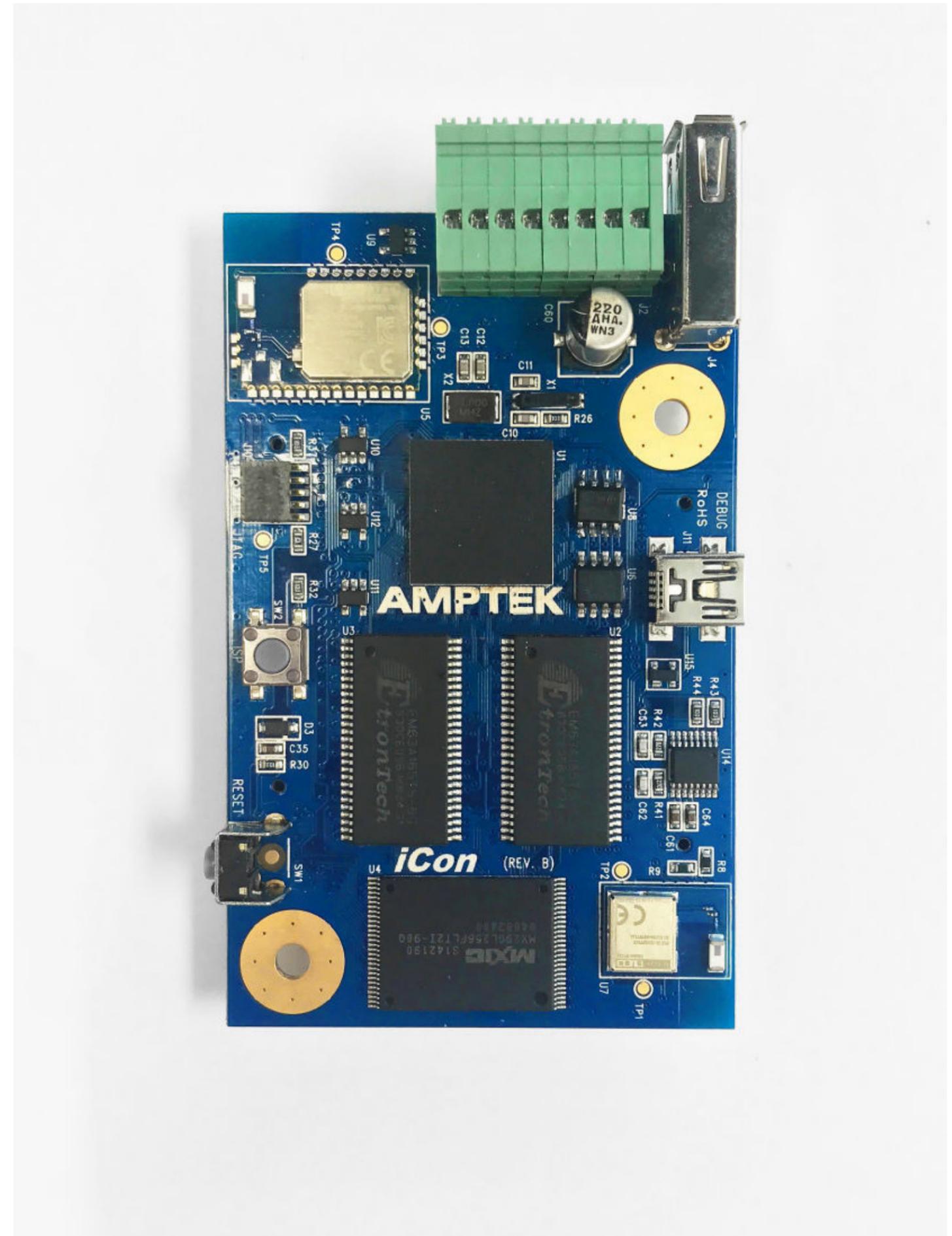
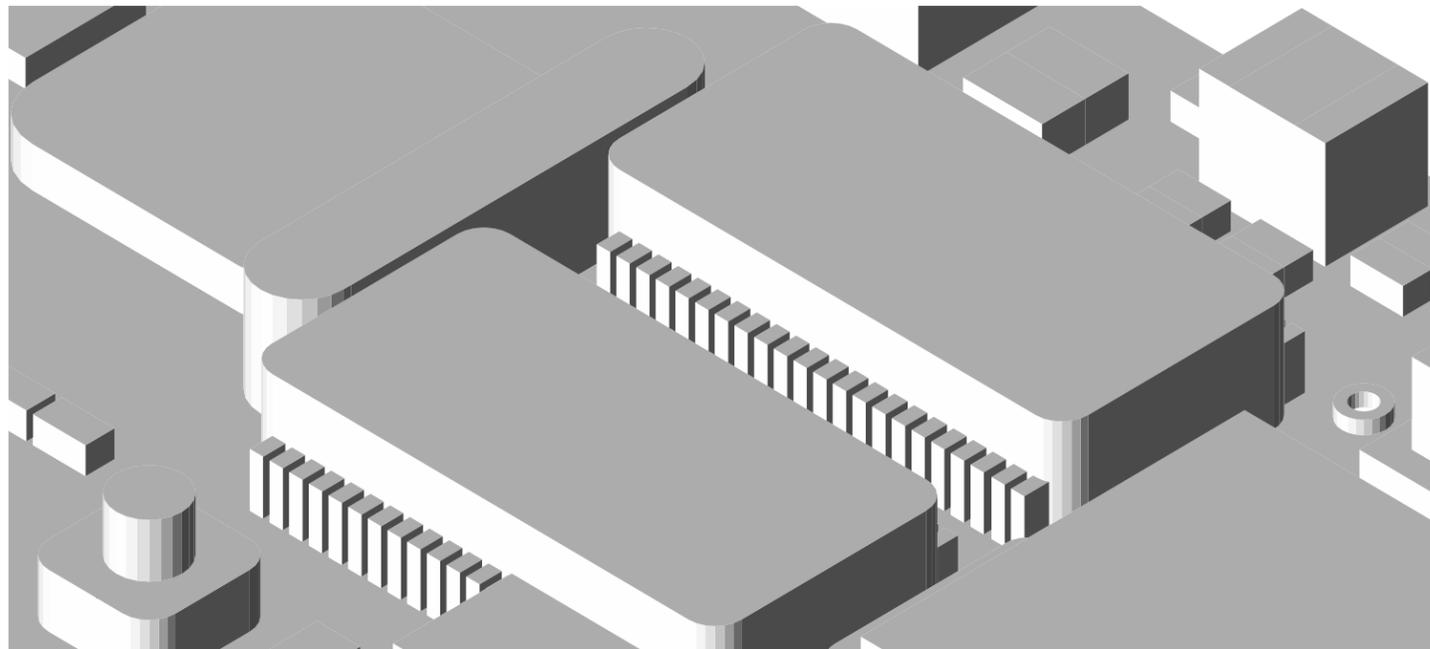
Schedule

Control

The iCon Embedded Platform.

Designed for M2M and IoT applications.

This credit-card-sized low power embedded system is specifically designed for M2M and IoT applications. It brings the two most common and cost-effective wireless technologies onto one single board design. Running on the open-source uClinux operating system, and with various expansion boards available, the iCon platform can easily be transformed into a full-scaled embedded system.



Specifications iCon

Hardware, firmware, and certification details for the iCon.

Hardware	Firmware	Certifications
ARM Cortex-M4 Processor 802.11 b/g/n USB 2.0 5 VDC, 1.5 AC/DC	Linux 4.4 BlueZ Protocol Stack	ETL CE FCC
Bluetooth Low Energy V4.2		
Dimensions (Length x Width x Height): 109.0 mm x 60.9 mm x 28.5 mm		

Specifications iCon Embedded Platform

Hardware and certification details for the iCon Embedded Platform.

Hardware	Firmware	Expansions
ARM Cortex-M4 Processor 802.11 b/g/n USB 2.0	uClinux – Linux kernel 2.6.33-ARM1 BlueZ Bluetooth protocol stack TCP/IP protocol stack WPA supplicant	I2C SPI UART RMII
Bluetooth Low Energy V4.2	Boa web server Inadyn DDNS client	PWM GPIO 10-bit DAC 12-bit ADC 16-bit RGB LCD

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you on your
next project.

With our expertise and experience, we are eager to be part of your next project! Contact us today to get started.

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