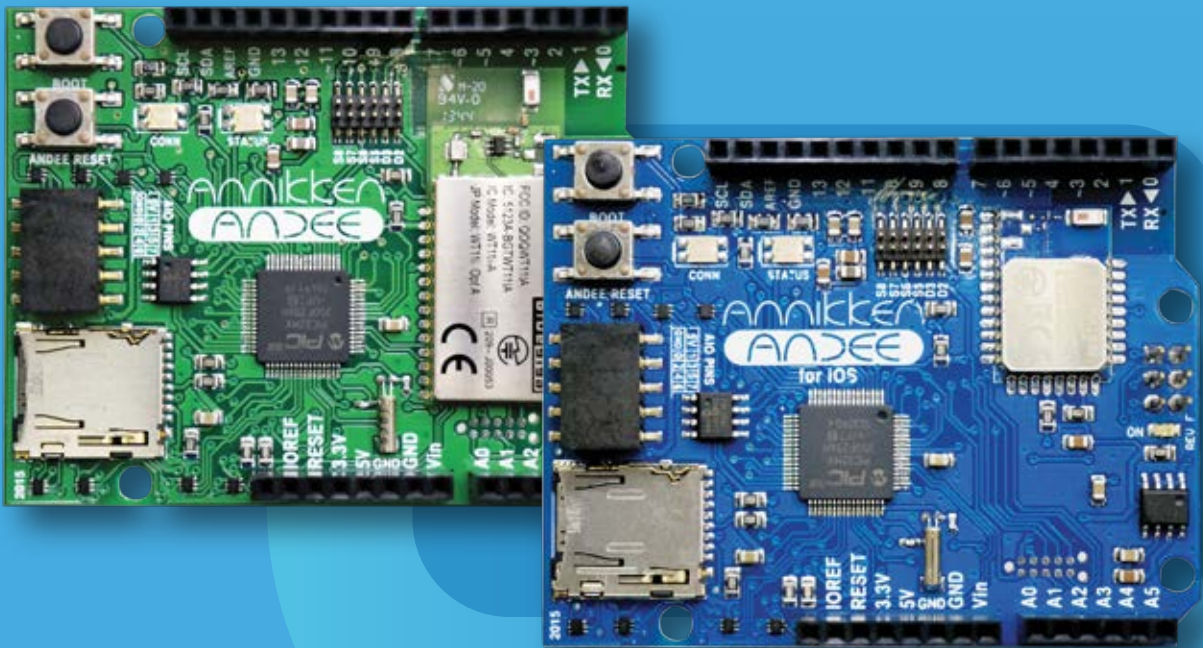


# Amikken

Mobile integration made simple



Create functional UI for Arduino  
without iOS or Android programming

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Information Sheet



## Create smartphone interfaces using Annikken Andee!

We've simplified the entire process with our special hardware and Arduino library so that you don't need iOS or Android programming to create functional mobile interface for your projects. Buttons, sliders, graphs, text input and many more for all the customisation you need!

Designed for the widely popular Arduino platform, the Annikken Andee allows you to easily monitor and control electrical devices and gadgets wireless via Bluetooth.

1

**Connect Annikken Andee**

+2

**Download Annikken App**

+3

**Andee Library for Arduino IDE**

We've made it easy for you to customise your smartphone's user interface so that you focus more on developing something really great without the hassle!

Compatibility



Social Media



Available online

Buy online at [www.annikken.com](http://www.annikken.com)  
 Also available at [www.store.arduino.cc](http://www.store.arduino.cc)

## About us:

Annikken Andee was successful crowd funded by IndeGoGo on 15 August 2013.

In 2014, Annikken was officially incorporated as Annikken Pte. Ltd. in Singapore

We are a team of Hardware, Software and Design Engineers with a combined experience of more than 30 years in the field. Our Engineers are experienced in designing and building entire control systems for industrial laser machines, as well as the design and fabrication of other MCU-based/ Arduino controllers using Wi-Fi, Bluetooth and ZigBee.

We sell to customers worldwide through our online store. Packaged and sent by FedEx or normal mail to USA, Germany, India, Sweden, Australia, Russia, Italy, Turkey, Malaysia and many more. Annikken Andee is also available at Arduino official online store.

## Annikken Andee was successfully funded on



### Featured

IAMDigitalnative

Hack Things

h:D  
hackable Devices



planet arduino  
plug and play with arduino platform

Palm Sounds

## Used in the educational Institute as Arduino course material

SINGAPORE  
POLYTECHNIC | SP

REPUBLIC  
POLYTECHNIC

NYP Nanyang  
Polytechnic

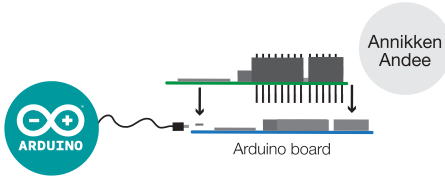
TEMASEK  
POLYTECHNIC

IITE  
Institute of Technical Education

SST  
SCHOOL OF SCIENCE AND  
TECHNOLOGY, SINGAPORE



# How does Annikken Andee work?



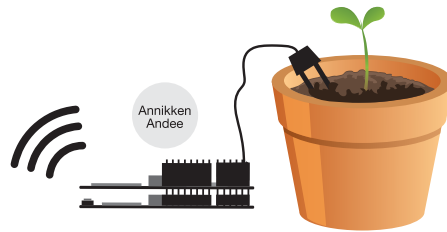
Annikken Andee is an Arduino shield for easy smartphone integration.



Create functional mobile UI for your project just by coding in your Arduino IDE.



Communicate with your Arduino through your mobile device via our Annikken Andee App.



Monitor your information with mobile touch screen. Take your Arduino projects to the next level of innovation.

### A Variety of Options for Customisation!

Choose from a variety of options to customise your app interface and data display. Options include:

- Display Box:** Analog Reading, Buttons, Text Input
- Data/Time Inputs:** Select Time, Select Date
- Slider Controls:** Continuous Slider, Discrete Slider
- Push Notifications and SMS:** Push notifications to your smartphone at set intervals, SMS messages to mobile numbers, and push notifications to the Arduino IDE via email.

### Customise with Style!

Easily beautify your user interface with our preset color themes:

THEME_TURQUOISE_DARK	THEME_MIDNIGHT_DARK	THEME_GREY_DARK
THEME_TURQUOISE	THEME_MIDNIGHT	THEME_GREY
THEME_GREEN_DARK	THEME_YELLOW_DARK	THEME_DEFAULT_DARK
THEME_GREEN	THEME_YELLOW	THEME_DEFAULT
THEME_BLUE_DARK	THEME_ORANGE_DARK	
THEME_BLUE	THEME_ORANGE	
THEME_PURPLE_DARK	THEME_RED_DARK	
THEME_PURPLE	THEME_RED	

### Additional Features

- Text-to-Speech (TTS):** Let Arduino trigger your smartphone to speak!
- Camera Control:** Let Arduino take photos using your smartphone's camera. You also have the option of using auto-focus and flash!
- NFC-ready!** Instantly connect by tapping your NFC smartphone to a user-programmed NFC tag. Connecting has never been easier!
- Advanced Bluetooth Controls:** Use Bluetooth signal strength to control the Arduino! You can also use MQTT address filtering to help it sleep!
- SD Card Reader/Writer:** Not enough memory on your Arduino? Not a problem! You can store data on an SD card and access the information easily with our SD card library functions.

### Or use your smartphone to perform complex tasks!

You can even visualise your data as a graph!



## Technical Specifications Android

### Body

Dimensions: 6.8cm (L) x 5.3cm (B) x 2.3cm (H)

Weight: 24 grams

### Software Resources

1x Andee Library for Arduino IDE (or IDE of Development Boards based on Arduino layout)

1x Android App

These resources are available free of charge from our website.

### Compatibility

Annikken Andee is compatible with the following boards:

Arduino Uno

Arduino Leonardo

Arduino Mega

Arduino Due

Femtoarduino (see Instructions)

### Connectivity

Wired connection to Arduino (or other boards) via SPI.

Wireless connection to Android devices via Bluetooth 2.1, using BlueGiga WT11i Bluetooth Class 1 Module

## Features

Annikken Andee is capable of the following:

Easily create and program smartphone graphical user interface from Arduino IDE

Create as many display boxes, buttons and slider controls as you need

Graph view

Schedule tasks by date/time

NFC-ready

Send SMS

Push notifications

Trigger smartphone camera to take photos (with flash and auto-focus)

micro-SD Card Reader/Writer

Text-to-Speech

### Minimum Requirements

1x Compatible Board (as listed above)

1x Android device (running Android 4.0 and above) with Bluetooth capability

### Optional Requirements:

SMS capability and SIM card to send SMS

NFC Reader for NFC function

## Technical Specifications iOS

### Body

Dimensions: 6.8cm (L) x 5.3cm (B) x 1.9cm (H)

Weight: 19 grams

### Software Resources

1x Andee Library for Arduino IDE (or IDE of Development Boards based on Arduino layout)

1x iOS App

These resources are available free of charge from our website.

### Compatibility

Annikken Andee is compatible with the following boards:

Arduino Uno

Arduino Leonardo

Arduino Mega

Arduino Due

Femtoarduino (see Instructions)

### Connectivity

Wired connection to Arduino (or other boards) via SPI.

Wireless connection to iOS devices via Bluetooth 4.0, using BlueGiga BLE112 module

## Features

Annikken Andee for iOS is capable of the following:

Easily create and program smartphone graphical user interface from Arduino IDE

Create as many display boxes, buttons and slider controls as you need

Graph view

micro-SD Card Reader/Writer

### Minimum Requirements

1x Compatible Board (as listed above)

1x iOS Device (Version 7.0 and above)

iPhone 4S/5/5C/5S

iPad 3rd/4th Generation or Air

iPad Mini 1st/2nd Generation

iPod Touch 5th Generation