**Teleh**

**lution**

IEI introduces the AfoBot, an assistant robot with 8” screen, to offer an open, flexible and affordable way to develop innovative devices with state-of-the-art components and to design applications based on Android 6.0

platform that can quickly be transformed into final solution.

Android Open Development Platform

IEI has released a SDK for the Android 6.0 open platform to enable developers, content creators, and service providers to build apps and value-added experiences for home, office, retail and healthcare industries.

**APP APP**

**APP**

**APP**

**APP**

**APP**

**ealth / Telemedicine So (ODM & OEM)**

**Any idea?**

# Wireless Mobility

Sleek and compact design makes AfoBot a convenient device to any environments. With its built-in wireless functions, you can place AfoBot in the living room and use it as a multi- function remote controller to control your home devices, or use it as a conference control terminal that can improve your meeting efficiency.

**1.7kg light weight**

**Access Point**

**Miracast**

**802.11 a/b/g/n Bluetooth 4.0**

# Voice-Activated Robot

You can talk to AfoBot just like talking with your friends and family. AfoBot provides hands-free voice control, and enables you to launch programs, commands and actions via voice commands - you can ask or command AfoBot for information and get results or responses instantly.

**Screen On, Screen Off**

**Turn Left, Turn Right,**

**Rotate Camera**

**Turn up, Turn down**

**Rotate Body**

**Play, Pause Desktop Screen**

* Voice and video call
* Auto answer calls from AfoTalk (iOS, Android) or other AfoBot.
* Conference recording
* Supports single or multiple peer calls
* On-line/Off-line voice recognition

**Hi AfoBot! Play music!**

* Echo cancelling, noise reduction, auto gain control
* 360º omni-directional audio

## 100º

Tilt 5-megapixel

 

1. point touch

**10**

**Point**

**Touch**

## 360º

Body Rotation

Programmable RGB LED

**8core**

**A53**

 Voice-recognition

## 33º

Panel Tilt

# The Value of Software & Hardware Integration with AfoBot

* + Call taxi
	+ Prescription ordering & delivery
	+ Preventive health caring
	+ Online shopping
	+ Order food delivery
	+ Hotel or restaurant reservation
* Music: KKBOX, Spotify
* Video: Youtube, LiTV, Netflix
* Education: eNewton, encyclopedia
* Control smart home devices
* Home caring
* Home security
* Alarm
* Timer
* Calendar/Reminder
* Picture taking
* Video recording
* Album
* News
* Weather
* Stock
* Voice control TV
* Real-time translation
* Emergency call
	+ Group call
	+ Auto answering (optional)
	+ Remote control of camera rotation
	+ Face tracking
	+ Auto record child
	+ Public mode
	+ WiDi/DLAN/Miracast
	+ Recording video call

 AfoBot

8” TFT LCD with 1280 x 800 Full HD

### *Features*

* 8” 16:10 IPS TFT LCD (1280x800)
* 8-core Cortex-A53 1.5GHz
* 32GB eMMC flash on-board
* 5-megapixel camera, 2592×1944@15fps, F2.2, FF, FOV 103.5° 1/4” OV5640 image sensor
* IEEE 802.11 a/b/g/n; 2x2 802.11n, Bluetooth 4.0
* 5200 mAh Li-ion battery (2 x 18650 3600mAh)
* Android 6.0

### *Specifications*

**Bluetooth**

**Miracast**

**1.7kg light weight**

**Access Point**

|  |  |
| --- | --- |
| **Model** | **AfoBot** |
| Display | 8” TFT LCD with 1280 x 800 Full HD |
| Processor | 8-core Cortex-A53 SoC |
| Touch Screen | Projected capacitive touch screen with 10-point multi-touch |
| Memory | On-board 2 GB LPDDR3 |
| Video Codec | 4K\*2K H.264/H.265, 4K\*2K@60Hz |
| Storage | On-board 32GB eMMC 1 x microSD card slot |
| Wireless Connectivity | Wi-Fi 802.11 a/b/g/n dual band Wi-Fi Direct for Miracast Bluetooth 4.0, BLE supportWi-Fi access point |
| Power Adapter | AC Input: 100-240V AC, 50/60HzDC Output: 12V 2.5A |
| Motion | Body: 360° horizontal pan (motorized) Camera: 100° tilt (motorized)Panel: 33° tilt (manual) |
| I/O Interface | 1 x USB2.0 Type C 1 x USB2.0 Type A 1 x GbE LAN |
| Camera | 5-megapixel camera, F2.2, FOV103**º** |
| Audio | 2 x Digital microphone5W 4Ω stereo reflective speakerEcho cancelling, noise reduction and auto gain control |
| Operating System | Host: Android 6.0Client APP: Android / iOS |
| Color | Pantone White and pantone 312C |
| Size | 271 mm x 213 mm x 136 mm |
| Weight | 1730g |
| Certificate | CE, FCC Class B and BSMI |
| Battery | Lithium Ion; 5200mAH; 3.7V; battery run time: 5 hrs |

***Ordering Information***

|  |  |
| --- | --- |
| **Part No.** | **Description** |
| AfoBot-F08A-AD6-TW-R21 | 8” Assistant Robot with 8-core Cortex-A53 SoC, Wi-Fi 802.11 a/b/g/n ,BT 4.0, 5MP webcam, PCAP touch, on- board 32GB eMMC,Android 6.0, Conexant CX20921, Wifi code: TW, R21 |
| AfoBot-F08A-AD6-BAT- TW-R21 | 8” Assistant Robot with 8-core Cortex-A53 SoC, Wi-Fi 802.11 a/b/g/n ,BT 4.0, 5MP webcam, PCAP touch, on- board 32GB eMMC,Android 6.0, 5200AH 1S2P Li-ion battery, Conexant CX20921, Wifi code: TW, R21 |
| AfoBot-F08A-AD6-EU-R21 | 8” Assistant Robot with 8-core Cortex-A53 SoC, Wi-Fi 802.11 a/b/g/n ,BT 4.0, 5MP webcam, PCAP touch, on- board 32GB eMMC,Android 6.0, Conexant CX20921, Wifi code: EU, R21 |
| AfoBot-F08A-AD6-BAT- EU-R21 | 8” Assistant Robot with 8-core Cortex-A53 SoC, Wi-Fi 802.11 a/b/g/n ,BT 4.0, 5MP webcam, PCAP touch, on- board 32GB eMMC,Android 6.0, 5200AH 1S2P Li-ion battery, Conexant CX20921, Wifi code: EU, R21 |

***Options***

|  |  |
| --- | --- |
| **Item** | **Description** |
| 33502-000394-RS | EU power plug |
| 33502-000393-RS | US power plug |
| 33502-000392-RS | UK power plug |

***Packing List***

|  |  |
| --- | --- |
| **Item** | **Q’ty** |
| QIG | 1 |
| Power adapter | 1 |

***AfoBot***

***Dimensions (Unit: mm)***

Camera Tilt 100°

360° Rotate

Panel Tilt 33°