



Company Presentation

----- Create a Smart, Healthy, Easy Life...

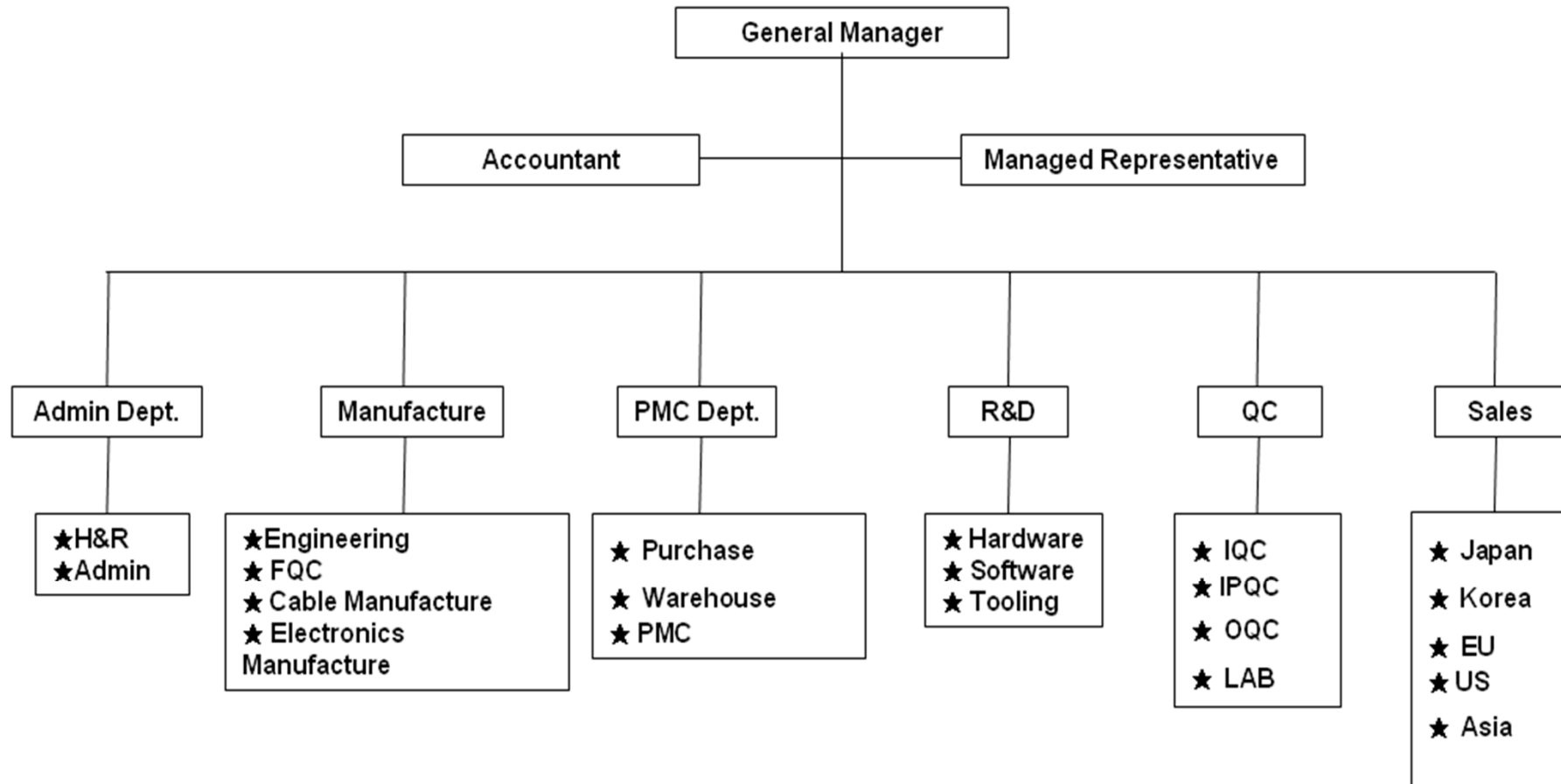
Company Profile

- **Business Type**
China Mainland Factory Since 2008
with R&D, Assembly Line
Global sales & Marketing
- **Export Percentage**
100 %
- **Capital**
RMB 10 Million
- **Total Annual Sales**
US\$ 35 Million
- **Total Staff**
820
- **Factory size**
10500 m² factory,
16 cable lines & 8 Electronics Line
- **Strong R&D and Engineering capability**
42 R&D Engineers
18 Cable Engineers



**A factory under ISO9001:2008-
,ISO14001:2004,
With HDMI & Apple MFI Certificate**

Company Structure



Micro Photos of HANK



Reception



42 R&D Elec. Engineers



400m2 show room



Workshop of Cables



Workshop of Electronics

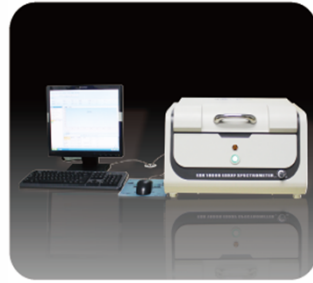


Show in Hongkong

Lab Facilities for R&D & QC Dept



TDR Analyzer
DSA8200



RoHS Analyzer
EDX300B



Insertion force test
machine



Vertical Flame
Tester



Aging test room for power
bank, chargers



Brine tester



Hi/low temperature tester



Oscilloscope



Shaking Simulation
tester



ATS testing for Apple Accessories



Redmere production
machine



Power Bank tester

Automatic Production Line



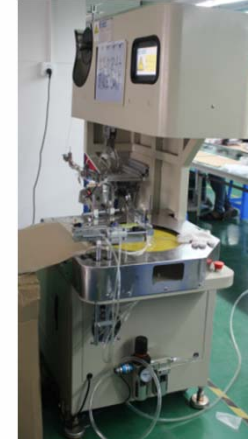
Low Temperature & Lower pressure molding for cable with PCB or Chipset



Laser soldering



Laser cutting



Auto-packing machine



Fast Soldering machine



High precise soldering



Fast USB solder machine

Certificates

HDMI Adaptor

MHL Adaptor

13W PSE Cert

EMI test report

HANK VW-1 UL certificate: E30371
HANK CL30 UL certificate: E30372

KC EMC LS-HD104

Patented_ZL 2011 2 0137766.5

Patented_ZL 2011 3 0234285.2

ISO9001:2008

ISO14001:2004

Apple Certificate

CONFIRMATION OF HDMI ATC TESTING

This Tested Product identified below has successfully completed testing at the HDMI Authorized Test Center with respect to the Test Specification listed below:

| | |
|--|--|
| PARTICIPANT | TESTED PRODUCT |
| Company: <u>HANK Electronics Ltd.</u> | Category (i.e. Source, Sink, Repeater, Cable, cable with Sink/Repeater): <u>Passive Model Number: cable assembly</u> |
| Address: <u>Block 39, Wangjing Industrial City, Beijing, China</u> | Product Model Number(s): <u>HDMI19HD1 (by MANKO)</u> |
| Phone: <u>0086 105 8037027</u> | Destination Model Number(s) and Number(s) (supplied by Participant, not tested): <u>HDC series HDMI cable</u> |
| Email: <u>hank@hank-tech.com</u> | |

TEST CONFIRMATION

Date of Issue: 01 Mar 2010 Test Specification: 1.4

Test Center: Shenzhen Conducted by: Shi Tian

HDMI
CERTIFICATE #47291

CONFIRMATION OF HDMI™ ATC TESTING

This Test Product identified below has successfully completed testing at the HDMI Authorized Test Center with respect to the Test Specification listed below:

| | |
|--|--|
| PARTICIPANT | TESTED PRODUCT |
| Company: <u>HANK Electronics Ltd.</u> | Category (i.e. Source, Sink, Repeater, Cable, cable with Sink/Repeater): <u>Passive Model Number: cable assembly</u> |
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TEST CONFIRMATION

Date of Issue: 01 Mar 2010 Test Specification: 1.4

Test Center: Shenzhen Conducted by: Shi Tian

HDMI
(VERSION 2.0.0)

CERTIFICATE #47291

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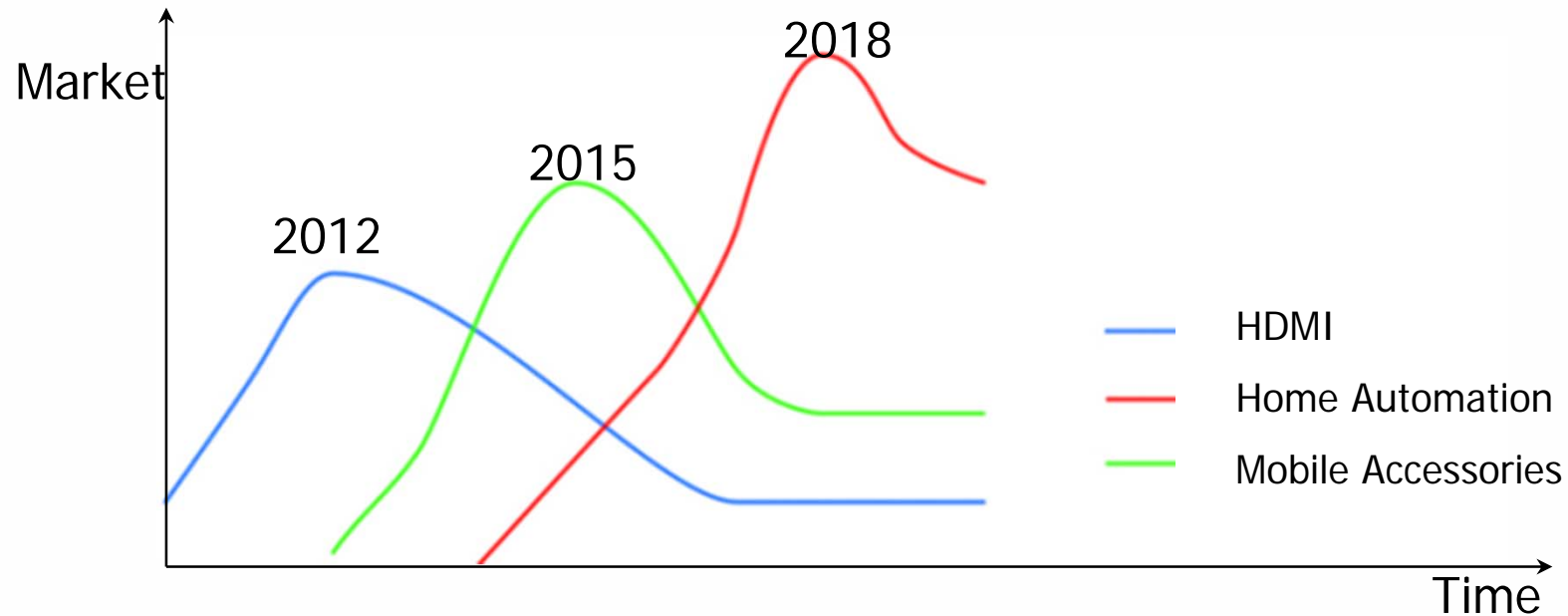
TEST CONFIRMATION

Date of Issue: 01 Mar 2010 Test Specification: 1.4

Test Center: Shenzhen Conducted by: Shi Tian

HDMI
CERTIFICATE #47291

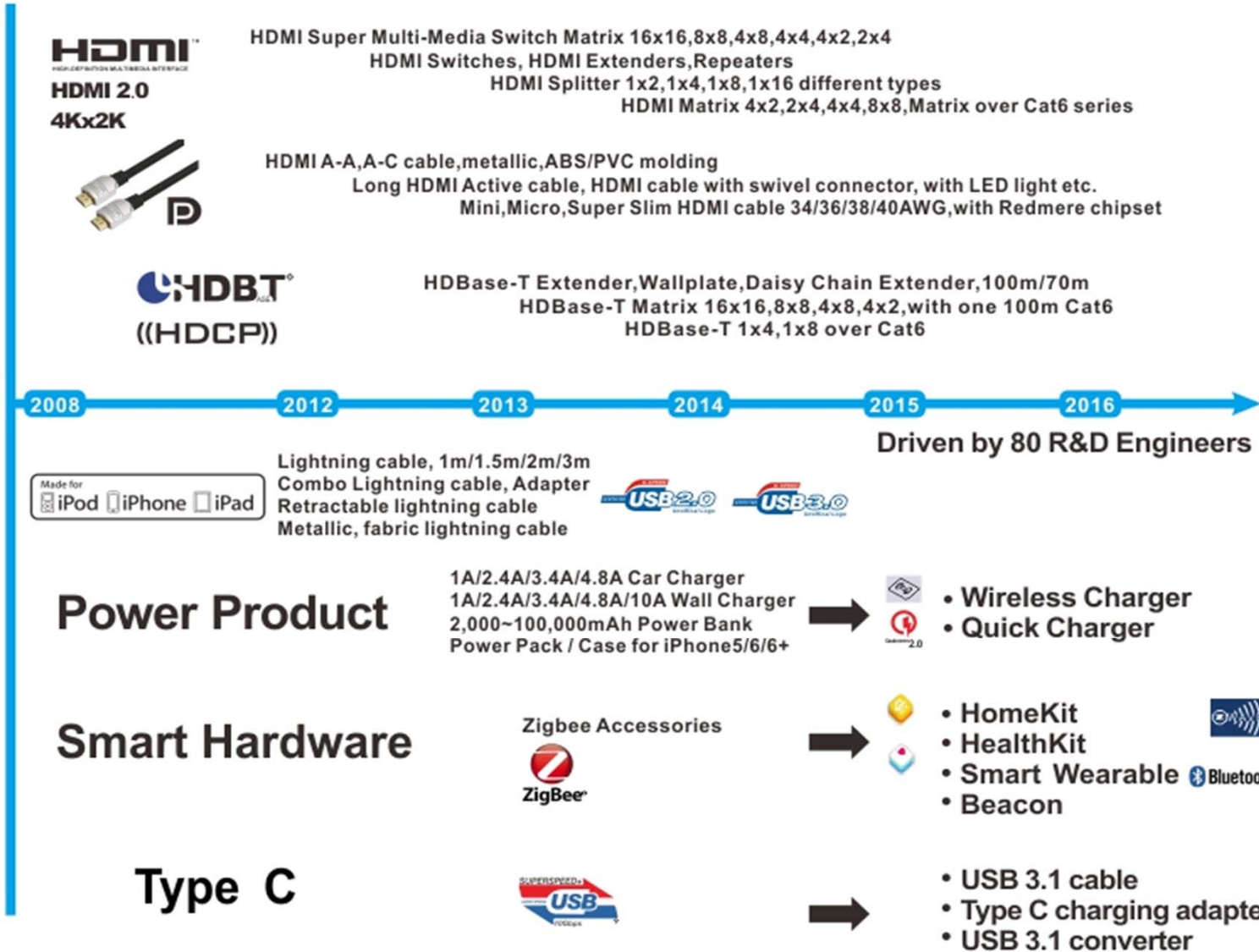
Company Strategic



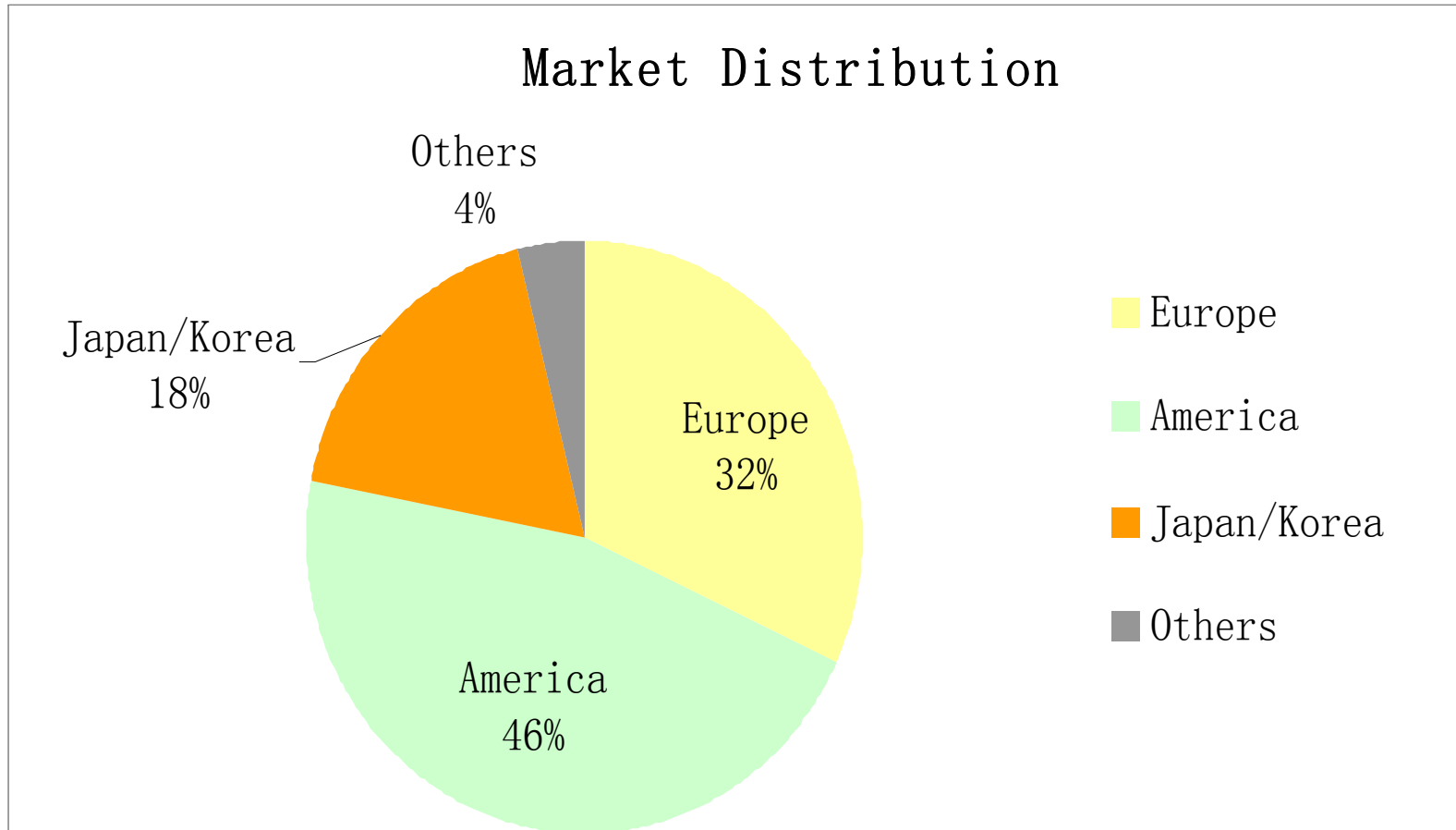
- **HANK has successfully Migrate from HDMI to Mobile Accessories**
- **Collect good R&D Resources for Home Automation**

Create a Smart, Easy, Healthy Life...

Product Line Roadmap



Marketing Share



Cables Products Output : 2 Million / month (Another 1.0 million reserved)
Electronics Products Output: 500K / month (Another 500K reserved)

Core Technology-1

Original, Fashion Design for Mobile Accessories, Focus on MFi Certificate, quality products



Core Technology-2

Factory for High End AV matrix /Splitter /Extenders/Switch in China Mainland with HDMI & HDBase-T technology



Modular Matrix Switcher

HKTM0808BH4

- One Transport Platform, Multi-Service
- Full Matrix: Any 8-input to any 8-output
- IR & RS232 Route function
- PoE Module (100M/70M) Optional
- Support EDID V2.0/HDCP V1.3/HDMI V1.4a
- Up to 3840*2160@30Hz
- Size:440 x 345 x 85mm

Mixed Matrix Features

HKTM1616BH4

- One Transport Platform, Multi-Service
- Full Matrix: Any 16-input to any 16-output
- Hot Plug to support service expanding as needed
- Upgrade firmware through external RS232 for Valens, Sub-Card, Frame
- Infrared Matrix to pass IR to control Player and Display
- RS232 Route function
- Built-in LAN Switch Function
- PoE Module (100M/70M) Optional
- Multi Control Methods
- Support EDID V2.0/HDCP V1.3/HDMI V1.4a
- Up to 3840*2160@30Hz
- LCD display and Railed button
- Size:440 x 380 x 177mm



4Kx2K HDMI Switch

- 01 Bandwidth 10.2Gbps
- 02 Pixel clock 340MHz
- 03 Support 4Kx2K



4K x 2K HDMI splitter Amplify 1x8, with wall mounting, Slim
HKSP0108MH4



4K x 2K HDMI splitter Amplify 1x2, Mini
HKSP0102SH4



4K x 2K HDMI splitter Amplify 1x4, Mini
HKSP0104SH4



4K x 2K HDMI Splitter 1x2 with pigtail
HKSP0102PT4

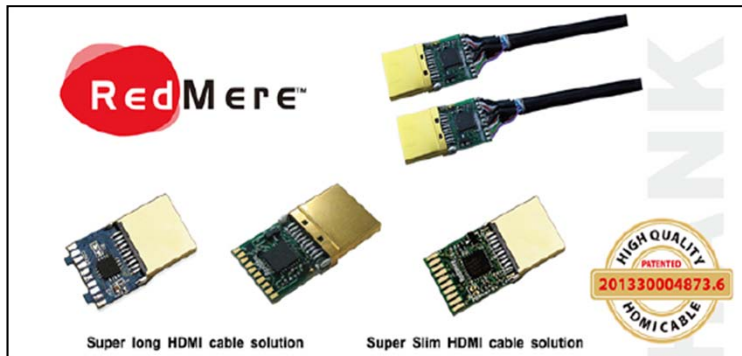


Core Technology-3

Factory for Super Slim HDMI Cable v2.0, Active HDMI cable with Redmere Chipset



6 Machines in Production



HIGH END HDMI 2.0 CABLE

4K x 2K



Ultra Speed for 4K

18Gbps

32 Channel audio

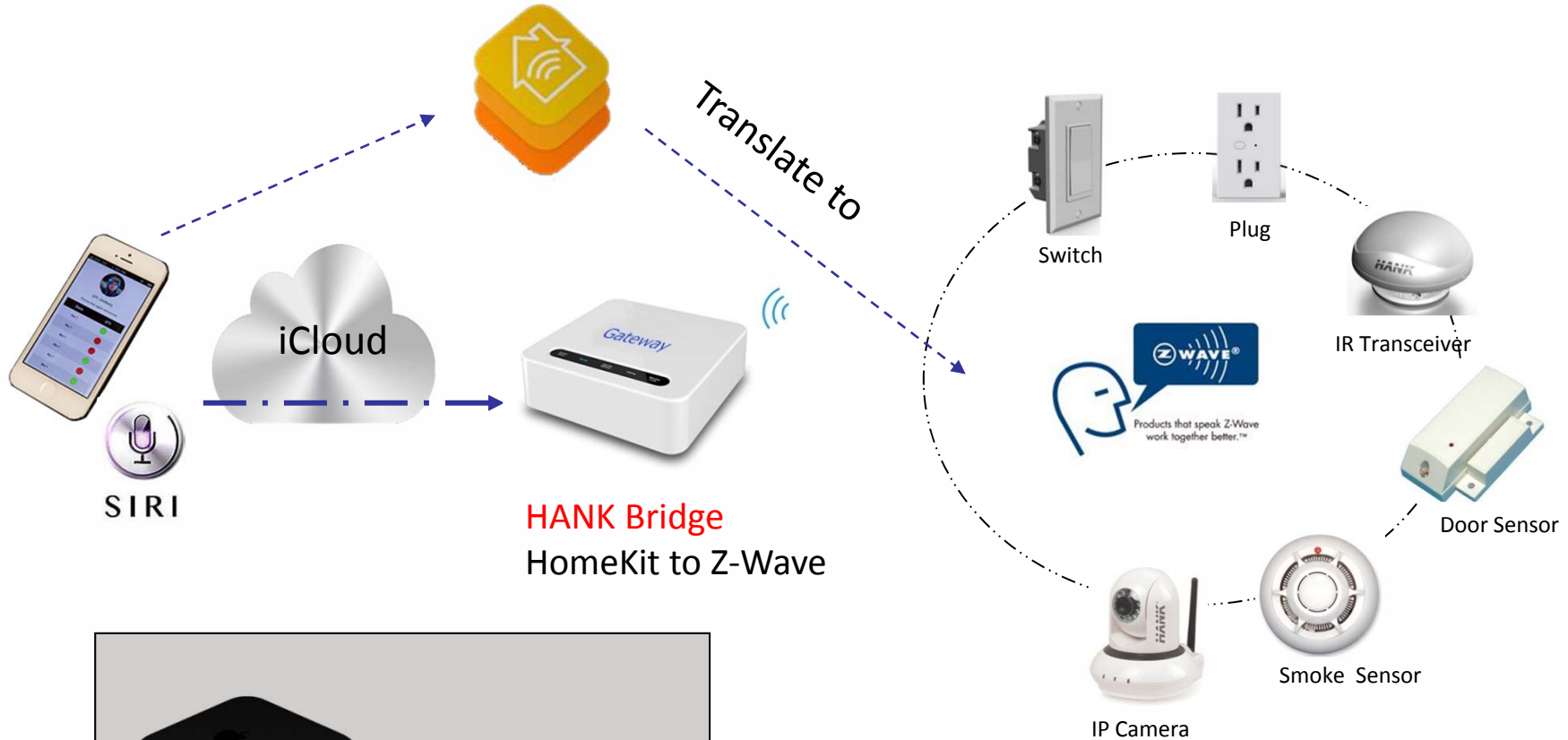
◆ HDMI v2.0, Ultra Speed for 4K, 18Gbps, 32 channel audio





HANK Solution – HomeKit Network

Provide whole solution: Apps/Service Mgmt/Gateways/Accessories



HANK Z-Wave Product Portfolio

Home Gateway



Light Control



Switch



Bulb



Dimmer



Socket



Socket with USB

Appliance Control



IR Transceiver



Curtain Control



Plug with USB



Home Security



IP Camera

Door Lock

Home Care



Smoke



Gas(CO/CO2)



Multi-Sensor

Home Monitor



Siren



Panic Button



Door Sensor



Garage Sensor



Motion Sensor

USB Panel

HANK Z-Wave Home Package(4 in 1)

Gateway



- TI Chipset, RJ45*WiFi
- Linux OS
- USB for extension
- Compact Size,
- Antenna Build-in
- WiFi Smart Configure
- Z-Wave

RGB Bulb



- 65535 colors
- Input 110V~240V
- Aluminum + PC
- Z-Wave

Switch



- 125VAC 15A
- One Gang
- Z-Wave

Plug with USB



- AC Outlet:
- Z-Wave
- 125VAC 15A
- USB Output Max: 2.4A
- USB Output1: 5V 1A
- USB Output2: 5V 2.4A

Core Technology-5 Wearable Devices



Two smartwatches with colorful bands (orange and blue) and two black smartwatches. Icons include a phone, moon, person, heart, person, moon, and phone.

Sports & Health Care



Two red watches, one with a digital display showing 14:28. Icons include a location pin and a phone.

- GPS, Base station location
- GSM, BT4.0
- Emergency Call
- Quick call

Tracking Device

**Hank
Cloud
Service
Platform**



Two smartwatches, one with a circular display showing 12:40 and one with a square display showing 03:18. Icons include a phone, moon, person, and download arrow.

- BT device
- Pace, Sleep Monitor
- Sync with Phone
- Calling & Dialing

Phone Mate



A smartwatch with a large square display showing various app icons. Icons include a SIM card and a smartphone.

- 1.54"IPS,240*240,600mAh
- Android 4.4,Cortex A7 Dual-core
- SIM Full WCDMA band
- GPS,BT,WiFi,G-Sensor,TF,Compass
- Camera: 5.0MP 720P

Mobile Phone, SIM

Core Technology-6 : Type-C series

USB Type-C Industry Progress

- Market adoption for USB Type C

| | 2H14 | 1H15 | 2H15 | 1H16 |
|-------------|---------|---------|---------|------|
| Notebook | Start → | MP → | | |
| Tablet | | Start → | MP → | |
| Smart Phone | | Start → | MP → | |
| Displays | | | Start → | MP → |

- Strong Driving Force

| Classification | Companies in workgroup |
|-----------------|--|
| Software | Microsoft, Google, Apple |
| Hardware | Apple, Samsung, Segate, Agilent, Dell, Lenovo, HP, Nokia, Lecroy, Tektronics |
| Chip | Intel, TI, ST, Cypress, LSI, Microchip, VIA, AMD, Magachips, Renesas |
| Connector/Cable | Tyco, JAE, ACON, Foxlink, Hirose, Lotes, Luxshare, Rohm |
| OEM | Foxconn |
| Testing | ETC(Taiwan), GRL, MQP Electronics |

USB3.1 & Type-C Product – Power Supply

1. Adapter



Type C Output:
5V 1.5A / 5V 3A / 12V 3A

| Mode of Operation | Nominal Voltage | Maximum Current | Notes |
|--|-------------------------|------------------------|--|
| USB 2.0 | 5 V | 500 mA | Default Current, based on definitions in the base specifications |
| USB 3.1 | 5 V | 900 mA | |
| USB BC 1.2 | 5 V | Up to 1.5 A | Legacy charging |
| USB Type-C Current @ 1.5 A | 5 V | 1.5 A | Supports higher power devices |
| USB Type-C Current @ 3.0 A | 5 V | 3 A | Supports higher power devices |
| USB PD | Configurable up to 20 V | Configurable up to 5 A | Directional control and power level management |







2. Power Bank

- One Type C IF supports Input and Output
- Type C Output: 5V 1.5A / 5V 3A

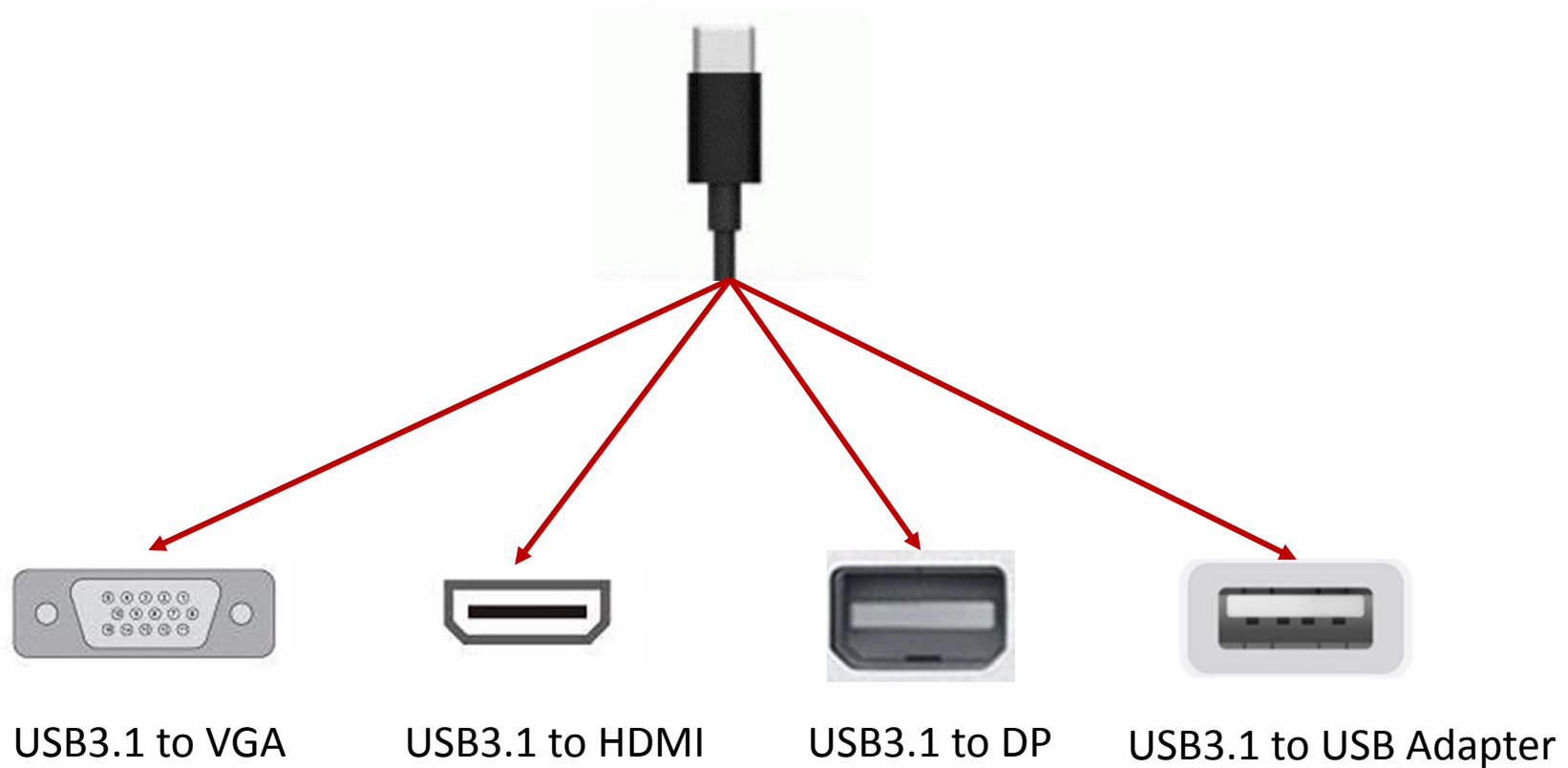


Dual Mode Design: USB A – Compatible with existing; Type C – for Future

USB3.1 & Type-C Cable

| Connector Type | Picture | USB2.0 | USB3.0 | USB3.1 | PD(2M) |
|-------------------------|--|--------|--------|--------|--------|
| Type C to Type C |  | | | √ | √ |
| Type C to Type C Female |  | | | √ | √ |
| Type C to Standard A |  | √ | √ | √ | |
| Type C to A Female |  | √ | √ | √ | |
| Type C to Micro B |  | √ | √ | √ | |
| Type C to Lightning |  | √ | | | |

USB3.1 & Type-C Converter



** Will be available soon*

Major Customers



How to Find Us?

Visit our website: www.hank-tech.com

To visit our office and factory:

From HK airport -----One hour (By shuttle bus)

From HK Central-----One hour (By Metro or bus)

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*Thank
You*