CP156A

HMI Control Panel

HENGYU
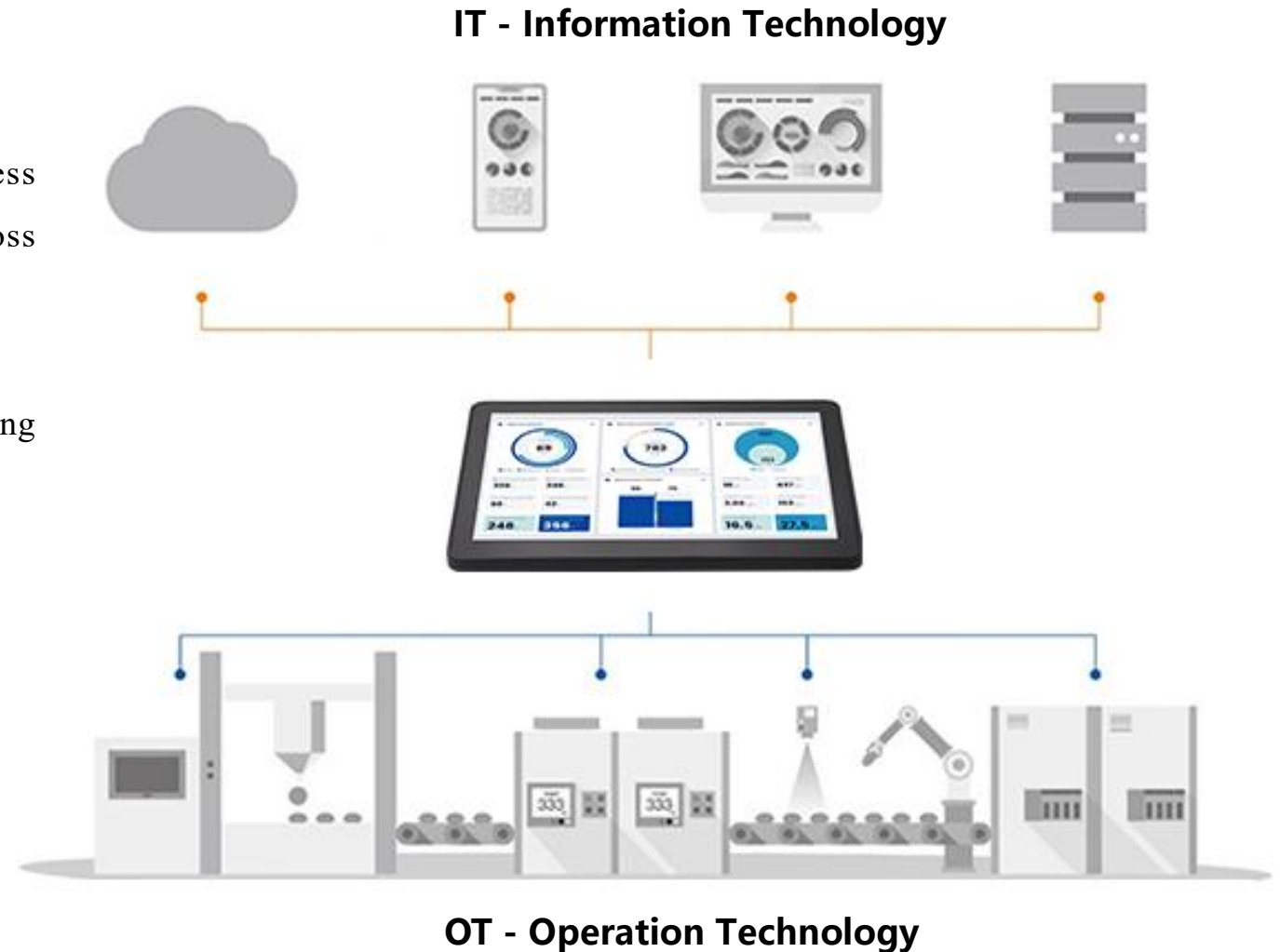
ANDROID

CP156A

HMI Control Panel

Main Features

- 15.6" touch with N10 1366x768 15.6" Panel

- Supports common peripheral standard interfaces.

- Can be equipped with a variety of peripheral devices for centralized management and control.

- Customizable peripheral device drivers, such as I2C and SPI interface drivers.

- Based on the Android system, which allows for development using Android development tools.

- Equipped with Realbom RK3568 arm board

- Expend PCB, with CAN, SPI, etc, function

- Bonding with transparent PMMA board (as a wall)

- Working with CP69A keyboard, (need to re-make the surface layout)

- Clear and bright touch screen, operable even when fingers are wet or wearing latex gloves.

- Fanless system, high-quality electronic industrial components, durable and reliable.

- Easy to assemble and can be embedded into terminal devices.
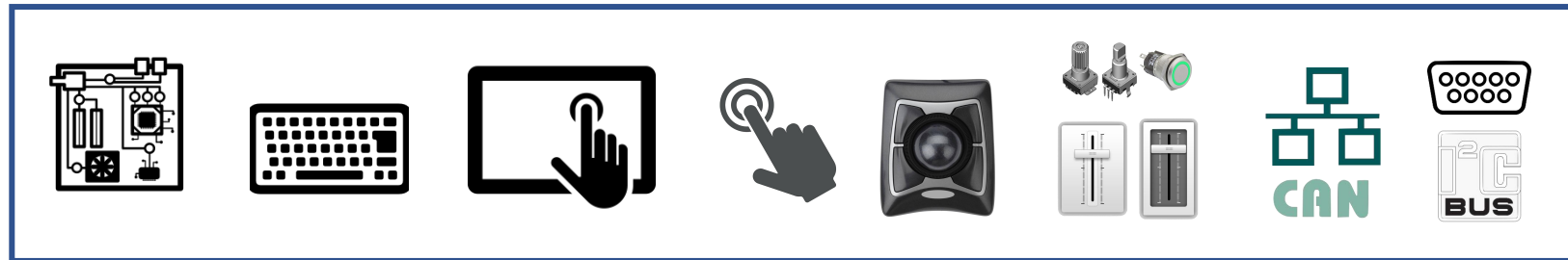
➢ Innovative Solutions for HMI

● Heng Yu offers customized HMI panels, ranging from single units to fully integrated production lines.

● Panels focus on adaptability and scalability, ensuring seamless integration into heterogeneous operational environments across different industries.

● High automation aids in on-site debugging and adapts to changing customer needs.

IT - Information Technology

OT - Operation Technology

- Heng Yu Technology (HK) Limited
- http://www.hengyu-tech.com
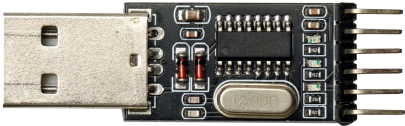- Email: hy_sales@hengyu-tech.com

Customized HMI

- Touch Screen: PCAP or Resistive

- Cover Glass: from 0.8 mm to 2.0 mm, can be of irregular shapes

- Gloves Thickness:up to 0.5 mm

- Various Control Interfaces:

    - RS232, USB, LAN, I2C, SPI, CAN BUS

    - SPI / I2C are done via USB adaptors

- Keys on top:

    ✓ Cap Sense Keys,

    ✓ Mechanical Switches(encoder, tact switch, rotation knobs)

    ✓ Sliding bars

    ✓ Emergency button

- Heng Yu Technology (HK) Limited
- http://www.hengyu-tech.com
- Email: hy_sales@hengyu-tech.com

➤ Technical Specification

Android System

USB to I2C adaptor
USB to SPI adaptor

Features	CP156A	
Processor	CPU	ARM Rockchip RK3568, Quad-core Cortex-A55
	Frequency	Up to 2.0GHz
Primary Storage		32GB eMMC, 4GB RAM
Display	Main Display Resolution	15.6" (1366 x 768), ratio 16:9
	Active Area	344.2 x 193.5 (mm)
	Luminance	350cd/m2
	Viewing Angle (R/ L/ U/ B)	45/ 45/ 20/ 40
	Touch Panel	PCAP, USB protocol
Ethernet	Controller	Gigabit Ethernet
I/O Interface	Main USB	USB 3.0，USB-C OTG
	UART	RS232/RS484 x 1
	GPIO	6
	I2C	1 (via USB to I2C adaptor)
	SPI	1 (via USB to SPI adaptor)
	CAN BUS	1
Options		Encoder/ Push button/ Emergency button/ Slider/ Trackball/ Touchpad/ Cap Sense/ OLED
Power Adaptor	Input	Universal AC 100~240V, 50/60 Hz
	Output	DC +12V 5A
Environment	Storage Temperature	-25°C ~ 85°C
	Operation Temperature	-0°C ~ 40°C
	Operation Humidity	10% ~ 85%
Dimension	Panel (w/o stand)	292 x 241 x 37 (mm)