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Android Simply Powerful. LCD Module

Expert in All-in-One Display Solution

DISPLAY
ANDROID

www.proculustech.com

Design House of Open Android Platform Customized Hardware I/O Integration and Sophistication Raised to the Maximum.



- A** Industrial-level anti-interference capacitive touch IPS LCD module
- B** 7-18V Power input, 24-bit RGB display
- C** 8GB eMMC Flash, up to 16GB in option
- D** 1GB DDR3, up to 2GB in option
- E** Working Temperature -20°C/70°C with high reliability
- F** 1.3Ghz-1.8Ghz Quad-Core Processor with Open Source of Android/Linux/Ubutu
- G** RK3128/RK3188/RK3288 CPU Running for I/O Customaztion

Technical Support



General App
Development Plateform



Open SDK &
Root Access

Manufacturing



Good Quality
Components on Board



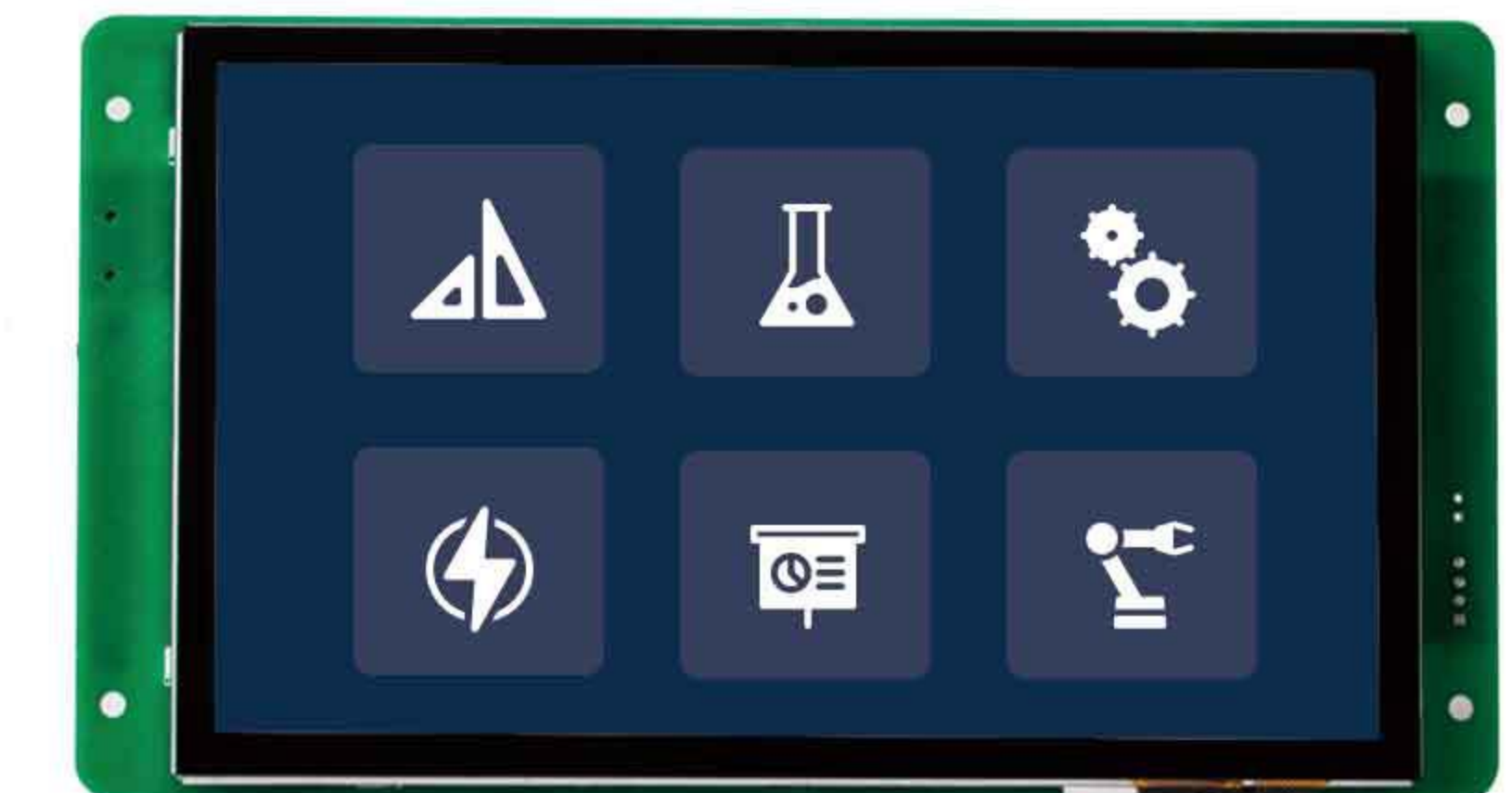
72-hour Aging
Test Applied

LONG

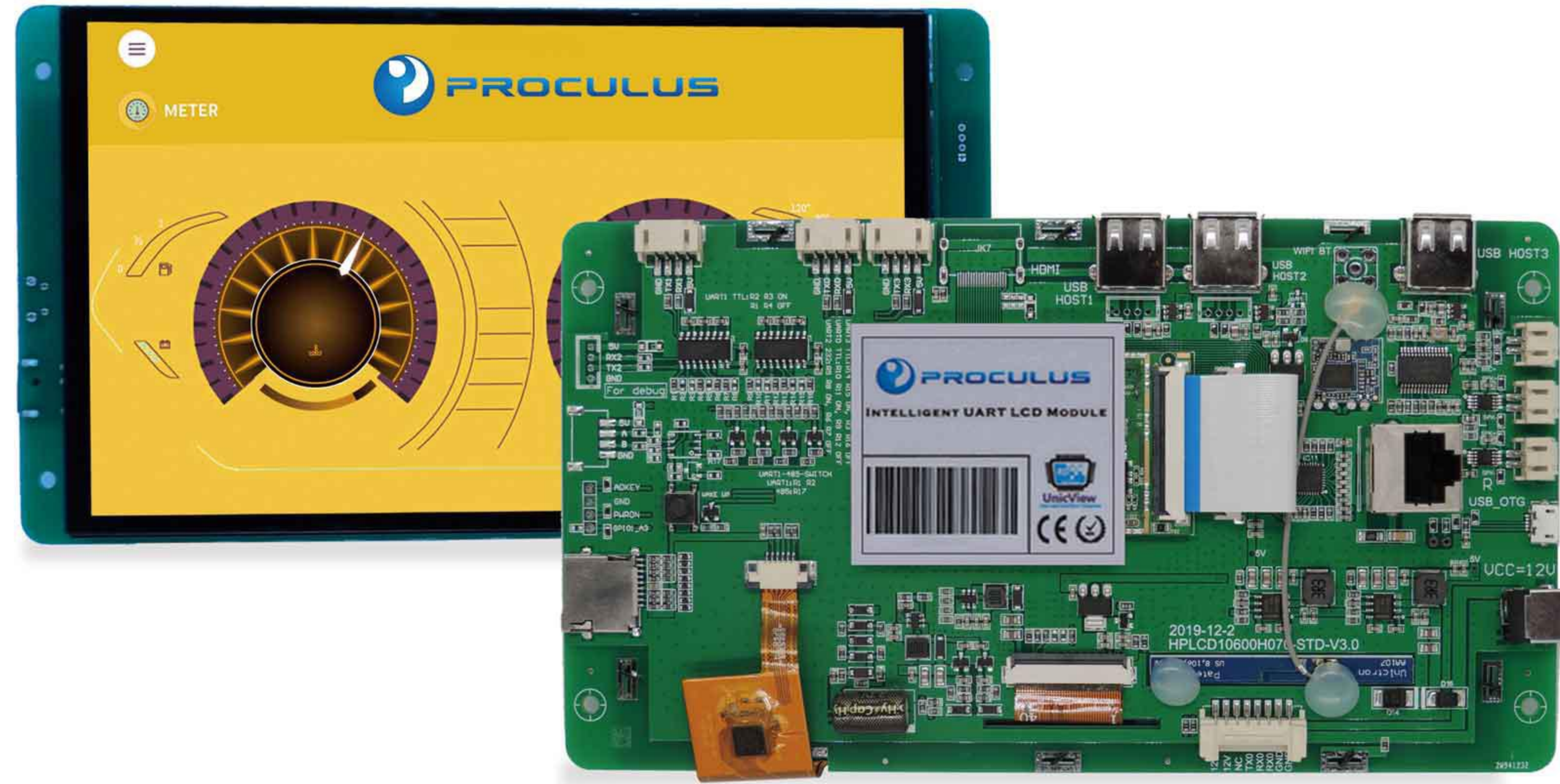
Stable Delivery
over 5yrs



P10600MS070C_T01



P80480C050_T01



Freedom of Choice
With Great Power
Comes Great Creativity

Products Features

Optional Assembly

4G
LTE Module


GPS


Bluetooth


P-cap
Muti-Touch


IPS Display
from
1024x600


Brightness
300nits+


1.3Ghz-1.8Ghz
Processor


Audio Output


USB


802.11 b/g/n
Wi-Fi

Standard Assembly

All-in-One


TF Card

FLASH
8GB eMMC


1GB DDR3


UART x 3


10/100M
Ethernet



High Performance

1.3Ghz-1.8Ghz Quad-Core Processor
Rockchip Solution
1GB DDR3, 8GB eMMC Flash
Support Android 5.1/7.1, Linux and Ubutu



High Expandability

UARTx3, USB x3
I/O Customizations in Project
Optional Bluetooth and 4G Modules



High Stability

Lead Time 2-4 Weeks
Meet up Specific Industry Requirement
ISO9001, CE, RoHs, SGS, Certified High-Tech Company

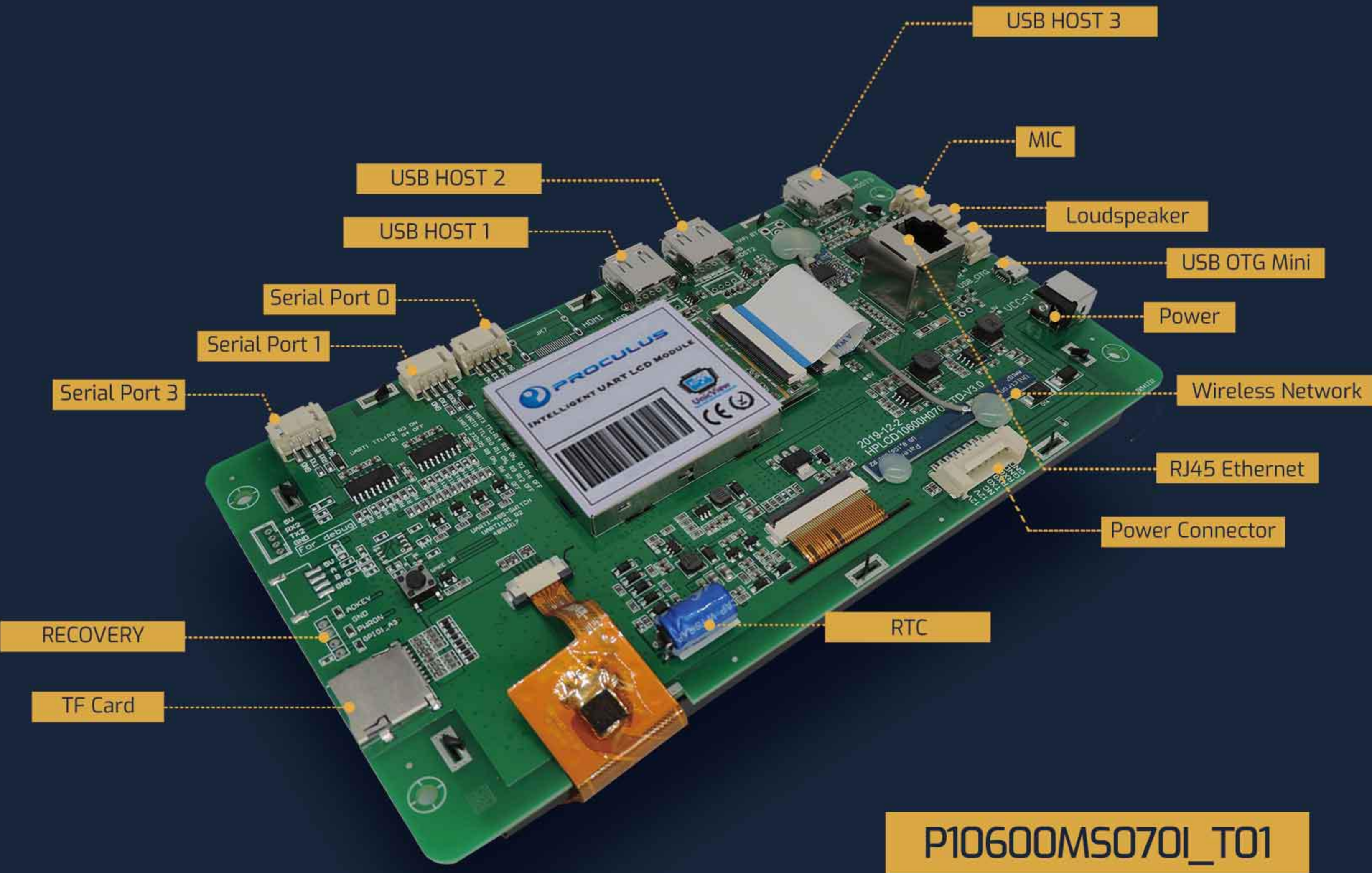


High Reliability

Manufactured by Components in Industrial-level
Up to 72-hour Aging Test before Delivery



Bluetooth, 4G module in option to use



Core board	Size	Part Number	Resolution	CPU/Display	GPU	Operating System	RAM	Flash	UART	USB
Consuming-Level Android Tablet	5	P80480MS050C_T01	800*480	1.3GHz ARM Quad-core Cortex-A7	Mali-400 MP2 OpenGL ES1.1/2.0 High-performance 2D acceleration hardware embedded	Android 7.1 /5.1/Linux	1GB	8GB	1	1
	7	P10600MS070C_T01	1024*600				1GB	8GB	3	3
	8	P10768MS080C_T01	1024*768				1GB	8GB	3	3
	10.1	P12800MS101C_T01	1280*800				1GB	8GB	3	3
	15	P10768MS150C_T01	1024*768				1GB	8GB	3	3
	18.5	P13768MS185C_T01	1366*768				1GB	8GB	3	3
High Performance Android Tablet	5	P80480MS050I_T01	800*480	1.6GHz ARM Quad-core Cortex-A IPS Display	Mali-400 MP4 OpenGL ES1.1/2.0 High-performance 2D acceleration hardware embedded	Android 5.1 /Linux	1GB	8GB	1	1
	7	P10600MS070I_T01	1024*600				1GB	8GB	3	3
	8	P10768MS080I_T01	1024*768				1GB	8GB	3	3
	10.1	P12800MS101I_T01	1280*800				1GB	8GB	3	3
	15	P10768MS150I_T01	1024*768				1GB	8GB	3	3
	18.5	P13768MS185I_T01	1366*768				1GB	8GB	3	3
Premium Android Tablet	5	P80480MS050S_T01	800*480	1.8GHz ARM Quad-core Cortex-A17 IPS Display	Mali-T760 MP4 AFBC OpenGL ES1.1/2.0/3.0/3.1, OpenVG1.1, OpenCL, DX11 High-performance 2D acceleration hardware embedded	Android 8.1 /5.1/Linux	2GB	8GB	1	1
	7	P10600MS070S_T01	1024*600				2GB	8GB	3	3
	8	P10768MS080S_T01	1024*768				2GB	8GB	3	3
	10.1	P12800MS101S_T01	1280*800				2GB	8GB	3	3
	15	P10768MS150S_T01	1024*768				2GB	8GB	3	3
	18.5	P13768MS185S_T01	1366*768				2GB	8GB	3	3

Consuming-Level Android Tablet

CPU: 1.3 GHz
Operating System: Android 7.1

Cost-Effective Solution for Regular Use
Application: Medical Device, Analysis Machine,
Fire Monitoring etc

 ARM Cortex-A7 Quad-core
CPU

Processor
ARM Cortex-A7

Coding
1080P H.264/ 10bits H.256

Low-Cost
Long term Supply with
Cost-effective Solution

Dual-Core GPU
ARM Mali-400 MP2

Technology
28nm HPM

Long Lifetime
Scoring 14000+



Android 5.1



Linux 4.4



Ubuntu 16.04



A Good quality PCB board and Immersion Gold craft
Ensuring the EMC and antioxidation ability

B Premium electronic components
Guarantee the stable performance

C Original LCD and touch screen
Providing stable pixel displaying and
excellent touch feedback

CPU
ARM Cortex-A7 Quad-core 1.3GHz CPU

GPU
ARM Mali-400 MP2

RAM
1GB DDR3

Flash
8GB high speed eMMC up to 16GB

Ethernet
10/100 Mbps Ethernet

Wireless Network
802.11b/g/n Wi-Fi

HDMI
HDMI x 1

TF Card
Support TF Card

Serial Mode
RS232 x3 or TTL

USB
USB HOST x3, USB OTG x1

Operating System
Android .5.1/7.1/Linux

High Performance Android Tablet

CPU: 1.6 GHZ
Operating System: Android 5.1

Used for industrial applications which requires high computing speed
Applications: Commercial AD machines, electrical devices, etc

High Performance Cortex-A9 Processor

Up to 4 pcs of ARM Cortex-A9 cores, highest frequency reaches to 1.6GHz
Provide excellent processing ability but keeping low consumption



Android 5.1



Linux 4.4

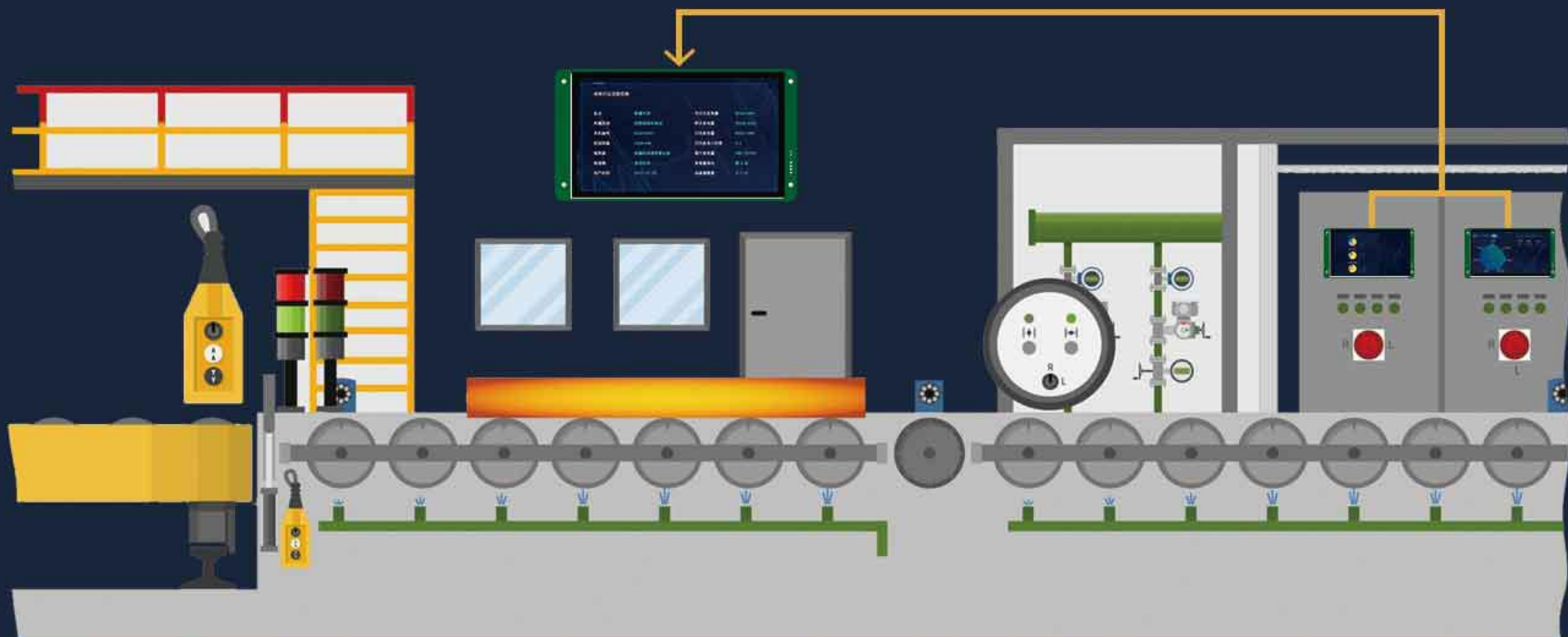
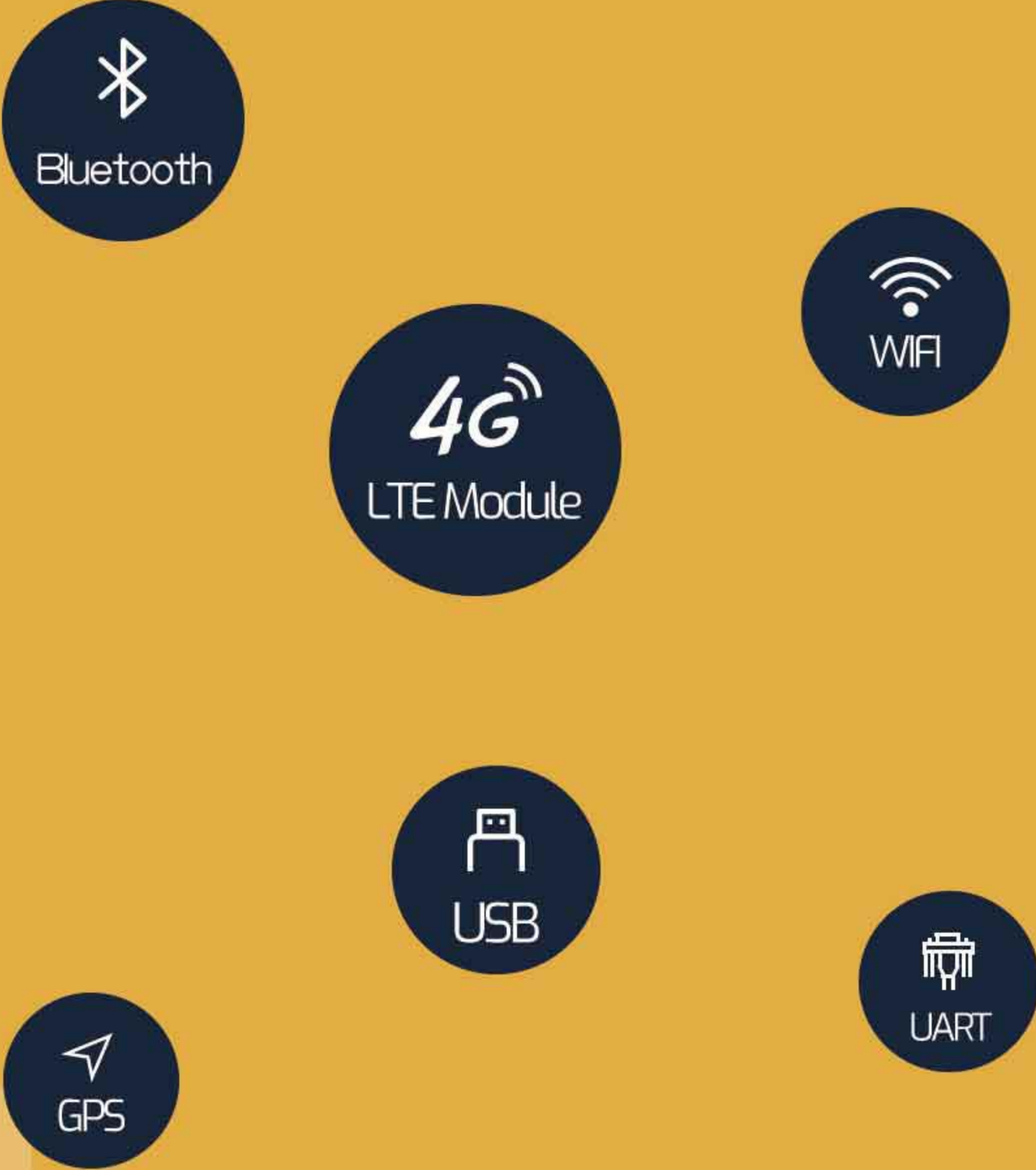


Ubuntu 16.04



Rich external interfaces and extendibility

Proculus Technologies offers extraordinary performance of I/O and abundant of ports to access the system from varied external devices.



- CPU
ARM Cortex-A9 Quad-core 1.6GHz CPU
- GPU
ARM Mali-400 MP4
- RAM
1GB DDR3
- Flash
8GB high speed eMMC up to 16GB
- Ethernet
10/100 Mbps Ethernet
- Wireless Network
802.11b/g/n Wi-Fi
- HDMI
HDMI x 1
- TF Card
Support TF Card
- Serial Mode
RS232 x3 or TTL
- USB
USB HOST x3, USB OTG x1
- Operating System
Android 5.1/Linux

Premium Android Tablet

CPU: 1.8 GHZ

Operating System: Android 8.1

Used for advanced applications
and special industry application
(facial recognition, dynamic recognition, etc.)
Industries: Smart access control, monitoring equipment, etc



OpenGL ES1.1/2.0/3.0,
OpenCL, DirectX9.3

1080P video encoding for
H.264 and VP8 format

Performance improved
by 500% compared
with Mali-400

1080P video decoding for VC-1,
MPEG-1/2/4, VP8 format



Android 5.1/8.1



Linux 4.4



Ubuntu 16.04

Proculus Technologies RK3288 use
ARM Cortex-A17 Quad-core CPU

Main frequency
up to 1.8GHz

Powerful multi-thread
computing ability

Strong graphical
processing ability

Robust DXVA ability

Improve up to
60% compared
with Cortex-A9

CPU
ARM Cortex-A17 Quad-core 1.8GHz CPU

GPU
ARM Mali-T760 MP4

RAM
2GB dual-channel DDR3

eMMC
8GB eMMC up to 16GB

Flash
8GB high speed eMMC up to 16GB

Power Management
ACT8846 PMU

Ethernet
10/100Mbps Ethernet

HDMI
HDMI x 1

TF Card
Support TF Card

Serial Mode
RS232 x3 or TTL

USB
USB HOST x3, USB OTG x1

Operating System
Android 5.1/8.1/Linux



 Face Recognition

 Advertisement Machine



 Smart Home Intelligence



 Beauty Machine

Commercial Machines 



 Industrial Control



 Smart POS