

TASHI



MT880 King Kruger Smart Controller

MT880, also called King Kruger, a TASHI new release of the 4th generation of Smart embedded device targets both Smart Home and Intelligent Enterprise sectors. Integrated with TASHI Elfin – a turnkey solution system, it serves as a home gateway and master control panel in a multi-tenant and residential community. On the other hand, in commercial/office package solution, it plays a role of key controller for work force management, visitor system, and T&A service.

Applying the same core technology as other device members among TASHI family, MT880 is a total IP based product featuring high speed single wired Ethernet, optional wireless WiFi communication, TFT 10.1" LCD with capacitive multi-touch panel, and operating with dynamic \ user friendly 3D GUI. It is regarded as a multi-functional device serves for multi-application in time management \ job costing \ intercom \ access control \ video surveillance \ voice-data messaging \ video broadcasting \ intruder & hazard alarm, and optional e-Home lighting energy saving. Moreover it supports remote control and intercom capability to run home appliances and access gates via Android/iOS smart phone or tablet.

MT880, a fancy pioneer of flat panel device, is intended to build with state of the art technologies and enable our valuable partners to be readily distinguished from opponents as well as exercising higher competitive advantage over the solution market.

Features

- Windows CE 6.0
- SDK with DLLs to support for Video Streaming, V2oIP
- 10.1" color TFT and WXGA(1280x800) LCD
- Wired communication support USB(Host 2.0), Ethernet and RS485
- Wireless communication supports 802.11b/g/n
- Optional CMOS camera with 2M Pixels resolution
- Speaker and Microphone Audio input
- V2oIP with H.264 / MPEG4 format
- Front Panel IP42
- Capacitive touch screen

MT880

Specifications



Reader

MiFare 13.56MHz (ISO 14443A / ISO 14443-4B / ISO 15693 / NFC)

Outline and Appearance

Dimension 290mm (L)*16.6mm (H)*190mm(W)
Weight 860g

Programming SDK

Video Streaming

- Monitor real-time video from TASHI line products and IP CAM
- Store Video (from MT880 and IP CAM) to NAS
- Play recorded Video
- Follow RTSP, RTP/RTCP protocol
- Audio/Video Codec: G.711/AMR and MPEG4/H.264

VoIP/V2oIP

- Support P2P and SIP Proxy
- Follow RFC3261 SIP protocol
- Follow RTP/RTCP, RFC1889/1890 protocol
- Audio/Video Codec G.711, A/u law, MPEG4/H.264
- SIP phone client : Windows XP, Windows CE 6.0 and Windows Mobile 5.0

Zigbee

- Follow 802.15.4 Zigbee stack
- Follow Zigbee Alliance "Home Control Profile"

Presence server to log/control all device on single terminal

Remote control/monitor by Web

Windows CE based I/O drivers, DLLs

Development languages supported: VB .NET, C++

Physical and Environment

Operation Temperature -10°C~50°C (14°F~122°F)
Storage Temperature -20°C~70°C (-4°F~158°F)
Humidity 10% to 95% RH non-condensing
Environmental Sealing IP42, Front Panel

Regulatory Approvals

CE, FCC, BSMI, NCC, CCC, RoHS compliance

Performance Characteristics

OS	Windows CE .NET 6.0
CPU	TI OMAP3 DM3730, 1GHz
NAND Flash	512MB
DDR	512MB
Keyboard	6 function keys + 1 emergency key
Display	10.1" wide view angle color TFT-LCD WXGA (1280 x 800) with touch screen function

Power Management

Power input	DC 12V/2A
Backup battery	One 3V/ 5.5mAH, coin type backup battery for keeping RTC data 6 days

Communication I/O

RS485	RS485+, RS485-
Ethernet	One RJ45 with 10/100M base
USB	USB 2.0 Host
WLAN	Optional IEEE 802.11 b/g/n

Audio/Video

CCD Camera	Optional CMOS 2M pixels resolution
Speaker	1 watt stereo speaker x 2
Microphone	Omni Direction, -42dB sensitivity, 60dB S/N rate



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