

TASHI



MT800 Junior Kruger IP Master Controller

MT800, also named Junior Kruger, is the first flat panel with super slim ID design in TASHI product family. Following nowadays technology trend, it is an IP based terminal carrying with high speed single wired Ethernet with optional wireless WiFi communications. It is equipped with high quality texture finish, Color 7" LCD with capacitive glass, multi-touched panel, and operated with the advanced pioneering 3D GUI-widgets.

In addition, MT800 is serving in TASHI Elfin integrated solution, running with a variety of major standard features such as door phone and security guard intercom. Its key role play is as a master controller in Home/Office sectors applying with Elfin to perform data and voice messaging, broadcasting, e-Home/e-Office lighting and scene control. Users also can adopt option with remote service via smart phone or tablet. MT800 with TASHI Elfin is heading to be a modern intelligent total IP based solution for both Residential and Commercial industries.

Features

- WinCE 6.0 based operation
- SDK with DLLs to support for Video streaming, V2oIP
- Touch screen with 7" color TFT-LCD and WSVGA(1024x600) resolutions
- Wired communication support USB(Host 2.0), Ethernet and RS485
- Wireless communication supports optional 802.11b/g/n
- Optional CMOS camera with 2M Pixels resolution
- Speaker Audio output and Microphone Audio input
- V2oIP with H.264 / MPEG4 format
- Front panel, IP42
- Capacitive touch screen

MT800

Specifications



Reader

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

Outline and Appearance

Dimension 142mm (L)*231mm (W)*18mm(H)
Weight 576g

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

Accessories

- On wall mount
- Power pin cable
- Protection film

Performance Characteristics

OS	Microsoft Windows CE .NET 6.0
CPU	TI OMAP3 DM3730, 1 GHz
NAND Flash	512MB
DDR	512MB
Keyboard	6 function keys + 1 emergency key
Display	7" color TFT-LCD WSVGA(1024 x 600) 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	USB2.0 Host
WLAN/ Bluetooth	Optional IEEE 802.11 b/g/n

Audio/ Video

CCD Camera	Optional CMOS 2M pixels resolution
Speaker	2 Watts Mono Speaker * 1
Microphone	Omni Direction, -42dB sensitivity, 60dB S/N rate

Regulatory Approvals

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



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