ULTIMA
The future of workforce
DATA COLLECTION

A Flexible, Secure and Powerful Workforce Management Terminal

Designed and built for today’s workforce; Ultima features an intuitive display, a robust operating system and flexible features that allow for a streamlined time clock integration that reduces time to market and increases margins.

Partners can choose to develop their own Time Clock application with the Linux or Android platform, or can license ZKTeco’s TimeTrack Android Application. Ultima scales to virtually any environment and application. A 7-inch high resolution touchscreen display helps employees perform workforce related activity using a finger, proximity, or badge swipe, and provides a self-service view into schedules, time-off requests, and more.
### Specifications

**Processor**
- Freescale 1GHz (Dual Core) Cortex A9

**Display**
- 7" TFT LCD Capacitive Touch Screen, 800 x 480 Resolution
- 16:9.6 Aspect Ratio

**System**
- Android 7.1.2
- Android 8.0

**Memory**
- **RAM**: 1GB DDR3 RAM + 512MB SLC NAND
- **Storage**: 8G eMMC, Class 10 SD card
- **Expansion**: microSD card slot

**Capacity**
- **Fingerprint**: 20,000
- **Facial**: 6,000
- **Card**: 10,000
- **Transaction**: ≈1 Million

**Communications**
- **Standard**: 10/100/1000 Mbps Ethernet
- **Certified Wi-Fi**: 802.11 a/b/g with MIMO
- **USB**: 2.0 Ports
- **Wiegand**

**Interface**
- **AUX Input x 2**
- **Wiegand Input x 2**
- **Relay x 2 (Alarm, Bell, External Lock)**
- **Programmable LED indicator**

#### Biometric Technology

**Silk ID Sensor (ZK)**: Touch-based optical fingerprint reader with FBI PIV and Mobile ID certification; FAP20 High-performance live-finger detection

**Lumidigm Mercury Sensor**: Lumidigm optical multi-spectral imaging

**Facial Identification**: Infrared light facial biometric that can identify user under 1 second.

**Infrared body temperature module**: Multi-point thermopile body temperature module within 0.3º accuracy

**Audio**
- **Speaker**
- **Microphone**

**Keypad (Optional–Modular)**
- 27- key tactile and programmable with a 4 x 5 matrix and 5 navigation keys

**Soft Keypad**
- Capacitive Touch Screen

#### Modular Readers & Supported Card Technologies

**Barcode badge reader**

**Magnetic stripe card reader**

**RFID**: EM4100 SERIES PROX CARDS
- PASSIVE PROX/RFID responder
- Multi-frequency card reader, UltiCard* supports all major RFID standards -- for frequency ranges 125/134.2 kHz and 13.56 MHz, including NFC

**Power**
- **AC Power Adaptor**: 12 V, 3.0A
- **PoE** (Power over Ethernet): PoEP IEEE 802.3at
  - **Power Class Levels**: 0–4
  - **Maximum Current**: 720mA
  - **Voltage Range(at PSE)**: 50–57V DC
  - **Maximum Power(at PES)**: 36W
  - **Input Voltage(at PD)**: 48V
  - **Maximum Power(at PD)**: 30V

**Battery**
- **Voltage**: 7.4V
- **Capacity**: 2000mAh
- **Charge Voltage**: 8.4V
- **Normal Charge**: 8hrs
- **Fast Charge**: 5hrs

**Environment**
- **Operating Temperature**: 32º F to 113º F (0° C to 45° C)
- **Operating Humidity**: 5% to 80% non-condensing

**Dimensions**
- **Width Base with Cover Plate**: 7.75 in. (19.6 cm)
- **Width Fully Configured**: 12.325 in. (31.3 cm)
- **Height**: 5.675 in. (14.4 cm)
- **Depth**: 3 in. (7.52 cm)
- **Weight**: 2.9 lbs. (1.3 kg)

---

* See Ulticard Datasheet for more details
** Optional

---

**ZKTeco**
- 200 Centennial Avenue, Suite 211, Piscataway, NJ 08854, USA
- +1 732-412-6007 +1 732-412-6008
- sales@zktechnology.com | zktechnology.com

---

Design and Specifications subject to change without notice