



960 ULTRAX

The NEW advanced Terminal for all Automatic Identification applications.

ULTRAX is the new AXESS TMC terminal for all developers of the most sophisticated automatic identification and biometric technologies applications, with multimedia communication to workers, and physical field control, in networked real-time or offline scenarios.



OVERVIEW

ULTRAX is a very optimized Windows CE 5.0 platform integrated with TMC specific drivers and utilities. It features a 312MHz PXA270 ARM CPU, 64MB Flash + 64MB SDRam, internal connections for SD/MMC and USB memories up to gigabytes, and a variety of other devices.

The bright ULTRAX display is a wide TFT* 16:10 touchscreen, housed in a splash-proof case designed for easy vertical mounting with protected connections only. It includes all RFID R&W technologies, or barcode and magnetic cards readers.

ULTRAX integrates SW support and drivers to use all Automatic Identification technologies in all application types, from Telnet to Web servers, to Windows remote desktop. It can operate as a TRAX or .NET style client or manager.

The Built-in, configurable software (TRACK: TRAX+G compatibility kit) for basic Time and Attendance or Job costing and Access Control applications, allows you an immediate deployment of this new attractive professional device. At the same time you can develop more advanced enhancements, which you'll then be able to easily deploy on the installed base.

HARDWARE FEATURES

- Display TFT 7" 16:10 480x234, with touch screen, 65.000 colours
- ABS casing with environmental protection, V0 fire resistance
- 18 key Alphanumeric Membrane keyboard
- Two USB 1.1 host ports, one SD/MMC slot
- RFID readers: all those supported by the TMC range
 - 125KHz em4102 compatibles (with single or dual-head)
 - 125KHz HID
 - 13.56MHz multistandard R&W Iso14443/15693 (with mifare)
 - 13.56MHz Legic advant multistandard hi-security R&W Iso14443/15693
- Swipe readers: magnetic or barcode
- Communication ports:
 - 1x Ethernet 10/100, Power over Ethernet A&B compliant
 - 1 x Serial RS485 or opto RS232
 - 1 x serial RS232 opto or not
 - Auxiliary reader connector TTL
- Physical Input Outputs:
 - 3 x Relays: 1 x Relay 2A 60V N.O+N.C; 2 x Relay 3A 60V N.O.
 - 4 x Digital optoisolated inputs
- Internal antitamper sensor
- Microphone and speaker
- Internal batteries for 2 hours working autonomy
- Power supply: 9...56Vdc/AC
- Physical Characteristics
 - Size: 200 x 200 x 50 +100 (WxHxD)
 - Weight: 1250 g
- Environmental: Working: -10° + 50°, Storage: -25° + 55°, Humidity: 0-100% not barcode
- Internal Fingerprint reader version, up to 4500 users 1:N or 1:1, rugged ceramic sensor
- Optional WiFi 802.11b/g on SDIO or USB
- Optional Videocamera (to be made)

SOFTWARE FEATURES

Windows CE 5.0 based:

- Web browser
- File server
- Remote desktop Client
- Web server
- TMC Automatic identification drivers
- TRACK: TRAX+G compatibility kit
- .NET 2.0 Compact framework
- Optional SQL CE/Mobile sincronizable database