

# KDT900



## Kiosk Data Terminal

### Powerful Hardware Platform for a Variety of Tasks.

The AML KDT900 is a full-featured, general purpose kiosk/data terminal with a wide variety of application possibilities. Powered by Windows® Embedded CE 6.0, and featuring a number of user input/output options, the KDT900 is perfect for a contemporary time-and-attendance terminal, a retail price checking kiosk, an access control device, a digital sign, or a general purpose kiosk designed to put information at the fingertips of the customer.

In any application, the full VGA color display will impress with crisp, clear images, and built-in Power-over-Ethernet will ease installation and save money. Of course, an 802.11b/g/n radio is available for wireless installations, and multiple USB and RS-232 ports provide a host of options for peripheral devices if needed. To further round out the KDT900, users may choose to add any one of 1D laser, CCD, 2D barcode scanner, or an External Omni-directional laser and a magnetic stripe reader (MSR) and HID proximity card reader.



## Applications

- Time & Attendance
- Access Control
- Price Checking
- Digital Signage
- General Purpose Kiosk



## Features

5.6" Full VGA color display w/touchscreen

Wired or wireless network connectivity

Power-over-Ethernet ready

Use Barcode, Magnetic Stripe (MSR) or HID Proximity readers for user input

Multiple USB and RS-232 ports

User programmable I/O

Windows® Embedded CE 6.0 Operating System

## Benefits

Display colorful, engaging images and provide finger-touch navigation via the touchscreen panel.

Connect to a LAN via Ethernet or use the optional 802.11b/g/n radio.

Power the device over the Ethernet connection and enjoy the freedom of not having to physically locate the device near an electrical outlet.

The KDT900 can be equipped with any combination of 1D or 2D type barcode readers, or magnetic stripe or HID proximity card readers.

Multiple ports mean multiple options for keypads, printers and other accessories.

Configure the four front-panel switches as hot keys or for navigation purposes. Internal relays and optically isolated inputs provide the ability to interface with external devices like beacons or door locks.

Use standard Windows embedded software tools including Microsoft Embedded Visual C++ and Visual Studio to develop custom applications for the KDT900. For managed, cross platform software development, the KDT900 fully supports the .NET Compact Framework.

## Physical Specs

<b>Dimensions</b>	14.6 cm L x 7.2 cm W x 5.0 cm D; 5.750" L x 6.625" W x 2.000" D
<b>Weight</b>	.81 lbs / 363g
<b>Display</b>	5.6" VGA (640x480), 16-bit Color TFT LCD
<b>Touchscreen</b>	Integrated resistive touch panel
<b>Power Supply</b>	Power-over-Ethernet (802.3af compliant); 12V DC 2.1 mm barrel jack
<b>Internal UPS Battery</b>	Optional 7.4V 2-Cell 2200 mAh Lithium-ion, ~2 hours runtime
<b>Keypad</b>	Four integrated momentary push buttons
<b>I/O Ports</b>	Three USB 1.1 full speed host ports; two RS-232 (one RJ-45, one expansion header); one Wiegand interface (header); two isolated digital inputs (screw terminal block); two isolated micro-relay outputs (screw terminal block)
<b>Networking</b>	10/100Base-TX fast Ethernet; 802.11b/g/n wireless radio (optional internal USB type)
<b>Audio</b>	Integrated speaker and amplifier (tonal)
<b>Color</b>	Black; optional custom colors available for enterprise-wide installations (call for details)
<b>Bar Code Scanner (optional)</b>	Integrated linear CCD; integrated omni-directional 2D imager; integrated 1D laser; external omni-directional laser
<b>Card Readers (optional)</b>	Magnetic stripe reader; HID® ProxPoint® proximity card reader

## Performance Specs

<b>Processor</b>	Samsung S3C2410 @ 202 MHz
<b>Architecture</b>	32-bit RISC ARM9 with AMBA (Advanced Microcontroller Bus Architecture)
<b>Memory (RAM)</b>	64 MB 100MHz SDRAM
<b>Memory (Flash storage)</b>	1024 MB (1 GB) Flash Storage; 16 MB ROM (OS)
<b>Memory Expansion</b>	SD Card Slot
<b>Operating System</b>	Windows® Embedded CE 6.0

## Environmental Specs

<b>Operating Temp</b>	-20° to 50° C / -4° to 122° F
<b>Storage Temp</b>	-30° to 60° C / -22° to 140° F
<b>Humidity</b>	0% to 90% RH, non-condensing
<b>Electrostatic Discharge (EDS)</b>	15kVDC through air; 8kVDC contact
<b>Sealing</b>	IP54; NEMA 12

## Maintenance & Support

<b>Standard Warranty</b>	One year standard warranty agreement
<b>Optional</b>	Extended Warranty Plus (3 years); Extended Warranty (3 years); CARE Plan Extended Warranty (3 years)

## Software Specs

<b>Web Browser</b>	Internet Explorer® 6 for Windows® CE
<b>Diagnostic Tools</b>	Standard suite of network and system diagnostic tools

## Wireless Radio Specs (optional)

<b>Radio</b>	IEEE 802.11n Draft v2.0; IEEE 802.11b; IEEE 802.11g
<b>Frequency</b>	2.4 GHz Range
<b>Signal Rates</b>	11n (40MHz): up to 300Mbps 11n (20MHz): up to 144Mbps 11g: up to 54Mbps 11b: up to 11Mbps
<b>Output Power</b>	802.11b: 17± 1dBm 802.11g: 17± 1dBm 802.11n: 15± 1dBm
<b>Antenna Configuration</b>	1T2R Internal Antenna (1 Transmit / 2 Receiving)
<b>Receive Sensitivity</b>	802.11g: -70dBm @54Mbps 802.11b: -83dBm @11Mbps 802.11n: -83dBm @11Mbps
<b>Security</b>	None 64/128 Bit WEP WPA/WPA2 Personal (PSK) WPA/WPA2 Enterprise (EAP) 802.1x Authentication Supplicants

## Mounting Hardware & Accessories (optional)

<b>Mounting Kits</b>	Pole or post mount kit; angled wall mount kit Adjustable universal RAM Mount™ kit
<b>Peripheral Kits</b>	Top-mount MSR kit Side-mount HID® ProxPoint Plus® kit



HID Proximity Card Reader Attachment    External Omni-direct. Laser Attachment    Magnetic Stripe Reader Attachment    RAM® Mount Attachment

## Regulatory Specs

<b>Certifications</b>	FCC Part 15 Class A
<b>Environmental</b>	RoHS, Pb-Free



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