

KDT900

Kiosk Data Terminal



Powerful Hardware Platform for a Variety of Tasks.

The KDT900, from AML, 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 in 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

Dimensions	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
Weight	.81 lbs / 363g
Display	5.6" VGA (640x480), 16-bit Color TFT LCD
Touchscreen	Integrated resistive touch panel
Power Supply	Power-over-Ethernet (802.3af compliant); 12V DC 2.1 mm barrel jack
Internal UPS Battery	Optional 7.4V 2-Cell 2200 mAh Lithium-ion, ~2 hours runtime
Keypad	Four integrated momentary push buttons
I/O Ports	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)
Networking	10/100Base-TX fast Ethernet; 802.11b/g/n wireless radio (optional internal USB type)
Audio	Integrated speaker and amplifier (tonal)
Color	Black; optional custom colors available for enterprise-wide installations (call for details)
Bar Code Scanner (optional)	Integrated linear CCD; integrated omni-directional 2D imager; integrated 1D laser; external omni-directional laser
Card Readers (optional)	Magnetic stripe reader; HID® ProxPoint® proximity card reader

Performance Specs

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

Environmental Specs

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

Maintenance & Support

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

Software Specs

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

Wireless Radio Specs (optional)

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

Mounting Hardware & Accessories (optional)

Mounting Kits	Pole or post mount kit; angled wall mount kit Adjustable universal RAM Mount™ kit
Peripheral Kits	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

Certifications	FCC Part 15 Class A
Environmental	RoHS, Pb-Free



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