WebDT® 312/ 362

Mobile Tablet POS
for Point-of-Service Applications

WebDT®

DT Research designs and manufactures a comprehensive line of network-ready information appliances, enabling secure and reliable access to the Internet and applications, anytime, anywhere. The WebDT 312/ 362 mobile tablet is more dependable than a laptop, and offers a larger display than a PDA. Ideal for mobile computing, the WebDT 312/ 362 is user-friendly and ready to integrate with other systems.

Key Features

- Intel® Atom™ processor; high performance with low power consumption
- Light and durable; ruggedized for handling and storage
- Bluetooth and WiFi connection
- Support for Microsoft® Windows® CE; Windows® XP Embedded; Windows® Tablet PC; Windows® XP Professional or Linux operating system
- Optional 3 mega-pixel camera with auto-focus function
- Optional magnetic stripe reader and barcode scanner
- Optional hot-swappable battery expansion
- Outdoor-viewable display option
- Comprehensive remote device administration through server-based WebDT Device Manager software

The WebDT® 312/ 362 features the integration of a brilliant 10.4" or 8.4" touch display and a high performance, energy-efficient Intel® Atom™ processor within a slim, light, and durable package. Ideal for network and information access, the WebDT 312/ 362 offers a choice of operating systems, wireless LAN, WAN, high-capacity internal battery, and Citrix ICA and Microsoft® RDP client/server computing protocols. With options for 3 mega-pixel camera, magnetic stripe reader and barcode scanner, these tablets offer seamless information capture for instant transmission. With a responsive touch screen, on-screen keyboards, and a variety of VESA mounting options for placement in vehicles, on moveable arms, walls, or mobile carts, this tablet is adaptable to almost any environment.

The WebDT 312/ 362 - mobilize your workforce.

Applications

- Inventory and Warehousing
- Education
- Manufacturing
- Healthcare
- Finance
- Retail
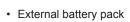- Control and Monitoring
- Hospitality

Specifications

Item	WebDT 312	WebDT 362
System		
Processor	Intel® Atom™ processor Z530 1.6GHz	
Memory (RAM)	1GB DDR2 533MHZ	
Storage	1GB to 16GB Internal Flash Module, 32GB to 64GB SSD	
Display	10.4" TFT LCD with Resistive Touch; outdoor-viewable option	8.4" TFT LCD with Resistive Touch; outdoor-viewable option
Display Resolution	1024 x 768 (XGA)	800 x 600 (SVGA)
Operating System	Microsoft® Windows® CE; Windows® XP Embedded; Windows® Tablet PC; Windows® XP Professional or Linux	
Network Interface	WiFi 802.11a/g/n, Bluetooth 2.0	
Input and Control Buttons	1 Power button, 7 Front buttons and 1 Trigger button	
Indicator	1 Power/ Battery status LED and 1 WLAN active LED	
I/O Ports	1 DC-in Jack; 1 Microphone-in and 1 Headphone-out Jacks; 2 USB 2.0 ports	1 DC-in Jack; 1 Microphone-in and 1 Headphone-out Jacks; 1 USB 2.0 ports
Audio	Built-in speakers	
Security	WPA-Personal, WPA2-Personal, WPA-Enterprise, WPA2-Enterprise, AES-CCMP 128-bit, WEP 128-bit and 64-bit; 802.1X: EAP-SIM, LEAP, PEAP, TKIP, EAP-FAST, EAPTLS, EAP-TTLS	
Mechanical		
Enclosure	ABS + PC Plastic and Magnesium-aluminum alloy	
Protective Grips	Rubber with handstrap	
Dimensions (H x W x D)	8.3 x 10.3 x 0.8 (in); 210 x 261 x 18 (mm)	7.9 x 9.6 x 0.8 (in); 200 x 240 x 18 (mm)
Weight	2.05 lbs (0.93 kg)	1.9 lbs (0.86 kg)
Battery Pack	Internal (2S2P; 7.4V, 2200mAh) or (2S2P; 7.4V, 3760mAh)/ **Optional:** External (2S2P; 7.4V, 3760mAh)	
AC/DC Adapter	**Input:** 100 – 240V AC/ **Output:** 12V DC@3.5A	
Power Cords	North America, EU, UK, China and Japan	
Stylus	Yes; non-electronic tip	
Environmental		
Regulatory	FCC Class B, CE, C-Tick, RoHS compliant	
Operating Temperature	**Operation:** 0°C - 40°C/ **Storage:** 0°C - 60°C	
Humidity	0% - 90% non-condensing	

* Specifications subject to change without notice.

Accessories

The WebDT 312/ 362 has a suite of customized accessories to meet numerous deployment needs.

For a complete list, please visit www.dtresearch.com

- External battery pack
- Multi-pack external battery charger
- Desktop charging cradle
- In-vehicle cradle with keyboard tray option
- Carrying case with compact USB keyboard

Data Capture Specifications

MSR	
Reference Standards	• ANSI/ISO Standards 7810,7811-1/6, 7813 • JIS X6301, X6302 • AAMVA
Recording Method	Two-frequency coherent phase (F2F)
Decoding Method	ISO Track1 – IATA ISO Track2 – ABA ISO Track3 – THRIFT
Card Swiping Direction	Bi-directional
Card Swiping Speed	Card speed through the unit may vary from 3 ips to 100 ips (7 cm/s to 250 cm/s)
Life	**Electronics:** 125,000 hours **Head:** 1,000,000 passes

Barcode Scanner (1D)	
Symbologies	UPC (E&A), EAN, RSS, Code 39, Code 128, UCC/EAN 128, ISBN, ISBT, Interleaved, Matrix, Industrial and Standard 2 of 5, Codabar, Code 93/93i, Code 11, MSI, Plessey, Telepen, PDF417, Macro PDF417
Scan Rate	Decoded operation = 500 scans/s autoadaptive Undecoded operation = 200 scans/s
Scan Angle	40°
Reading Distance	up to 90cm (35 in)
Ambient Light	Works in any lighting conditions, from 0 to 100,000 lux
Print Contrast	down to 25%

Barcode Scanner (2D)		
Symbologies	**1D:**	EAN/UPC, RSS, Code 39, Code 128, UCC/EAN 128, ISBN, ISBT, Interleaved, Matrix, Industrial and Standard 2 of 5, Codabar, Code 93/93i, Code 11, MSI, Plessey, Telepen, postal codes
	2D:	Data Matrix, PDF417, Micro PDF 417, Maxicode, QR, Aztec, EAN.UCC composite
Scan Rate	56 images/s auto adaptive	
Scan Angle	38.9° (Horizontal), 25.4° (Vertical)	
Ambient Light	Works in any lighting conditions, from 0 to 100,000 lux	
Optical Resolution	752 (H) x 480 (V) pixels, 256 gray levels	
Print Contrast	down to 25%	
Versions	Standard range and high density	

Video Camera	
Video Resolution	640×480(default), 1280×1024, 1600×1200, 2048×1536
Frame Rate	320×240 at 24fps; 640×480 at 24fps 1080×1024 at 15fps; 1600×1200 at 15fps 2048×1536 at 15fps
Automatic image control	Automatic Exposure Control Automatic White Balance Control
Focusing type	Auto Focus
Focus Distance	Focal on 60cm

* Specifications subject to change without notice.

Major Options

- Outdoor-viewable display
- 3 mega-pixels camera
- 2D barcode scanner
- Magnetic stripe reader