

# MODAT-335

## Field Service Terminal



### Features

- 3.5" TFT sunlight readable LCD touchscreen
- Marvell® PXA 310 624MHz CPU
- Built-in Windows® Embedded Handheld 6.5 OS
- Wi-Fi, Bluetooth and WCDMA/HSDPA or GPRS wireless technology
- Built-in GPS
- 1D laser/2D imager scan engine. Supports MIFARE® (ISO 14443A), FeliCa™, ISO 18092 and ISO 15693 RFID reader and 5-megapixel Camera
- Optional handle grip
- Optional UHF multiple tag reader supports 3-meter reading distance



### Specifications

	Model	MODAT-335-WB65-En-E-R12	MODAT-335-GPRS-WB65-En-E-R12	MODAT-335-1D-WB65-En-E-R12
Display	LCD Size	3.5 TFT LCD (sunlight readable)		
	Brightness (cd/m <sup>2</sup> )	190 cd/m <sup>2</sup>		
	Max Resolution (HxV)	240(H) x 320(V) QVGA		
	Viewing Angle	80/80/80/80 Deg.		
	Touchscreen	4-wire resistive type touch		
System	CPU	Marvell PXA 310 624MHz		
	Operating System	Microsoft Windows Mobile 6.5		
	Memory	256 MB SDRAM		
	SD card	Support microSD slot up to 32 GB		
	Storage	Built-in 256 MB Nand Flash		
Communication	Wireless LAN	Wi-Fi 802.11 a/b/g/n	Wi-Fi 802.11 a/b/g/n	Wi-Fi 802.11 a/b/g/n
	Bluetooth	Bluetooth 2.1+EDR	Bluetooth 2.1+EDR	Bluetooth 2.1+EDR
	Modem	WCDMA/HSDPA supports UMTS 900/2100MHz & GSM 900/1800MHz	GSM 900/1800 MHz	NA
	GPS	GPS w/internal antenna	GPS w/internal antenna	NA
	Barcode	1D/2D imager scan engine	1D laser scan engine	1D laser scan engine
Data Collection	RFID	13.56 MHz RFID support ISO 15693 and 14443A & MIFARE® & FeliCa™	13.56 MHz RFID support ISO 15693 and 14443A & MIFARE® & FeliCa™	NA
	Camera	5-megapixel CMOS camera with LED flashlight		
	Hot Keys	1 x Power button 1 x Camera button 3 x Barcode trigger buttons		
Indicators & Buttons	LED Indicators	Battery LED: charging (orange)/full (green) Wi-Fi LED: enabled (green)/disabled (off) 3.5G LED: enabled (green)/disabled (off)	Battery LED: charging (orange)/full (green) Wi-Fi LED: enabled (green)/disabled (off) 2.5G LED: enabled (green)/disabled (off)	Battery LED: charging (orange)/full (green) Wi-Fi LED: enabled (green)/disabled (off)
	I/O Interface	Audio	1 x 1.5 W built-in speaker	
Power	USB	1 x Mini USB client 2.0		
	Audio/Mic	1 x Audio mic-in		
	Expansion	16-pin connector (RS-232/battery charging/USB host/USB client)		
	Battery	3.7V 3000 mAh battery		
Environment	Operating Temperature	-10°C~50°C		
	Storage Temperature	-20°C~60°C		
	Humidity	5%~90% non-condensing		
	Drop Survival	1.5 meter		
	Environmental Protection	IP 54		
Physical	Certification	CE / FCC		
	Dimensions (LxWxH) (mm)	218.5 x 81 x 46.2		
	Weight	405 g		

### Optional Accessory List

Item	Part No.	Description
Cradle	MODAT-300-CR01-R10	Charging cradle with USB Client
Battery Pack	31603-000017-RS	3.7V 3000 mAh battery
16-pin Cable	32024-001500-100-RS	Connect to USB Host, USB Client and RS-232
Handle Grip	MODAT-335-GRIP-R10	Removable handle grip can trigger 1D/2D barcode
UHF Reader	MODAT-335-UHF-R10	Ultra high frequency (UHF) reader with 3000 mAh battery.

### Packing List

Item	Part No.	Q'ty
Battery Pack	31603-000017-RS	1
USB Cable	32001-000300-200-RS	1
AC-DC Adapter	63040-330010-000-RS	1
Headset	30900-000003-RS	1
Stylus	72000-6051D0320101-RS	1
MODAT-335 Standard Pouch	46037-000200-RS	1
Handle Grip Pouch	46037-000100-RS	1



### Ordering Information

Part No.	Description
<b>Windows® Embedded Handheld 6.5 Operating System</b>	
MODAT-335-WB65-En-E-R12	The Windows® Mobile 6.5 based PDA with 3.5" panel, UMTS 900/2100MHz & GSM 900/1800MHz, GPS, WiFi, Bluetooth, RFID reader, 1D/2D barcode, 5M Camera, RoHS
MODAT-335-GPRS-WB65-En-E-R12	The Windows® Mobile 6.5 based PDA with 3.5" panel, GSM 900/1800MHz, WiFi, Bluetooth, RFID reader, GPS, 5M Camera, 1D barcode, RoHS
MODAT-335-1D-WB65-En-R12	The Windows® Mobile 6.5 based PDA with 3.5" panel, WiFi, Bluetooth, 1D barcode, 5M Camera, RoHS

## UHF RFID Reader

The communication frequencies used in radio frequency identification (RFID) technology range from 125KHz to 2.45GHz. The MODAT-335 features an optional ultra high frequency (UHF) reader. The MODAT-335:

- Detects a frequency range from 840MHz to 960MHz
- Allows a long reading range
- Is excellent for reading multiple tags
- Carries one 3000 mAh battery inside



Extra 3000 mAh battery can support UHF power consumption, providing longer working hours!



Vehicle Identification



Object or Personnel Tracking



Multiple Item Identification



Long Range Reading