

# CW31 SPECIFICATIONS

**CATCHWELL**

PHYSICAL AND ENVIRONMENTAL CHARACTERISTICS	
Dimensions	163mm x 78mm x 36mm
Weight	363g / 607g (including UHF Gun)
Keyboard	Numeric (38 keys) or QWERTY (53 keys) options
Display	3.5 inch Color TFT LCD, QVGA or VGA (optional)
Power	Rechargeable Lithium Ion 3.7V 4,000mAh
Audio	Loud Speaker (back) & Receiver (front), MIC, 3.5Ø Headset Jack
I/O Ports	USB 2.0 Client, RS-232C & Ethernet (via cradle)
PERFORMANCE CHARACTERISTICS	
CPU	PXA 320 806MHz (Marvell)
OS	Windows Mobile 6.5 or Windows CE 5.0
Memory	512MB RAM, 1G NAND Flash
Expansion	Micro SD (Maximum 32GB) / USIM / SAM slot
USER ENVIRONMENT	
Operating Temp.	-20°C ~ +50°C (-4°F ~ +122°F)
Storage Temp.	-30°C ~ +70°C (-22°F ~ +158°F)
Humidity	93% at +50°C (122°F) non condensing
Drop Spec.	1.8 m (6 ft) drop on all sides per MIL-STD-810G
IP Rate	IP65 per IEC Sealing Specifications
ESD	12KV Air / 8KV Touch
WIRELESS CONNECTIVITY	
WLAN	IEEE 802.11 a/b/g/n with CCX v4 ('a' band is optional) Data Rate: 802.11a: up to 54Mbps; 802.11b: up to 11Mbps; 802.11g: up to 54Mbps
WPAN	Bluetooth v2.1 +EDR Class 2
WWAN	GSM/GPRS/EDGE (850/900/1800/1900 MHz) UMTS/HSPA+ (800/850/900/1700/1900/2100 MHz)
GPS	Embedded GPS
Antenna	Internal Antenna
DATA CAPTURE	
Barcode Scanner	1D Laser or 2D Imager
Digital Camera	3.0M Pixels AF Digital Camera / LED Flash
HF RFID	ISO14443 A/B (MIFARE, Calypso), ISO 15693
UHF RFID	Frequency: 840~960 MHz
	Field: 105-degree cone (approx.) measured from nose of device
	Antenna: Circular Polarization (RHCP)
	Protocol: EPCglobal UHF Class1 Gen2 / ISO 18000-6C
	Output Power: 0.5W~1W EIRP
	Reading Speed: more than 50 tags/sec. (tag dependent)
	Reading Range: up to 6 meters (depending on tag & environment)
	Writing Range: up to 3 meters (depending on tag & environment)
Anti-collision feature supported	
Dedicated battery (2,600mAh) for UHF use	
ACCESSORIES	
Standard	LCD protection film, stylus pen, hand belt, travel adaptor, data cable
Optional	1 slot/4 slot cradle, Gun Trigger, Snap-on IO, leather case, etc.

**CATCHWELL****True Mobile Computer**

B-405, Bundang Technopark, Yatap-Dong, Bundang-Gu, Seongnam, Gyeonggi, 463-760, Korea

Tel : +82-31-788-5300 FAX : +82-31-788-5222

www.catchwell.com