

# WT5520 Wearable Armband Ring Scanner



## **Adaptive Armband AB2200-Adjusts the Side Screws to Make It in Different Widths for Mounting Various Sizes of Mobile Terminals**

The AB2200 features a unique design where users can adjust the side screws to alter the width of the armband. This adjustable feature allows the armband to accommodate different sizes of mobile terminals. Users can easily adjust the armband to fit their specific device size, providing a snug and secure attachment. This adaptability is particularly beneficial for individuals who frequently switch between different mobile terminals or have devices with varying dimensions.

## **True-Wearable Ring Trigger - Easy to Wear on Your Index Finger Like a Ring**

Users can wear the scanner on their index finger, allowing them to efficiently scan barcodes while keeping their hands free for other tasks. This is particularly useful in industries like logistics and warehousing where workers need to handle packages or products. The ring scanners typically provide wireless connectivity, enhancing flexibility and enabling seamless integration with various devices.

## **With Dual-core Hardware PL5000 Decoder, It can Decode in Record Time, Even on Damaged, Poorly Printed and Low Contrast Barcodes or in Poor Lighting**

The PL5000 hardware decoder boosts worker productivity with unmatched decode times, superior motion tolerance, plus advanced barcode and data capture processing features, plus support for the newest barcode symbologies.

## **360° Rotatable Armband - Supports Landscape and Vertical Viewing**

With a 360° rotatable mechanism, the armbands allow users to adjust their mobile device to either landscape or vertical orientation easily. This feature provides users with the flexibility to choose their preferred viewing mode based on their activities, content, or personal preference. Users can switch to landscape mode for a wider display, while opting for vertical mode for more conveniently.

## PRODUCT SPEC SHEET

### Wearable Armband Ring Scanner WT5520

#### ARM BAND PARAMETER

Armband Type	AB1800, AB2000, AB2200
Strap Length	Adjustable, 27cm and 38cm are available for AB2200
Armband Direction	360° rotatable
Applicable Screen Size	AB1800 for terminals with 4.0-6.5 inch screens AB2000 is suitable for screens of any size AB2200 for terminals with 4.7-7.2 inch screens
Armband Material	AB1800 - Silicone, PU, Webbing AB2000 - ABS, PU, Polyester AB2200 - PC, ABS, Webbing

#### INTERFACE

USB Interface	USB Type-C
Coiled Cable	Both ends Type-C connector, 165mm
USB Protocol	USB HID Keyboard, USB VCP (Virtual Serial Port)
Multilingual Keyboards	USB HID mode supports multilingual keyboards

#### USER ENVIRONMENT

Ambient Light	Max 107,639 lux (direct sunlight)
Operating Temperature	14°F ~ 122°F / -10°C~50°C
Storage Temperature	14°F ~ 122°F / -10°C~50°C
Humidity	5% - 85% non-condensing
Drop Spec.	Multiple 4.9ft./1.5M drops to concrete
Tumble Spec.	Scanner body withstands 20,000 times from 3.3ft./1M with frequency of 10 times per minutes.
Electrostatic Discharge (ESD)	±8kv dc discharge, ±15kv air discharge
Certificates	RoHS, NOM, EAC

#### SCANNER PHYSICAL PARAMETER

Scanner Dimensions	70.00mm(L) × 36.00mm(W) × 26.80mm(H)
Scanner Weight	37g (scanner body)
Notification	LED, Buzzer, Vibration

#### PERFORMANCE CHARACTERISTICS

Optical Resolution	1280 x 800 pixels
Shutter	Rolling shutter
Sensor	2D CMOS Image
Skew, Pitch & Roll	Skew tolerance: ±60° from normal Pitch tolerance: ±60° from normal Roll tolerance: 360° from normal
Illumination	White LED
Aiming	Green LED
Supported Symbolologies	1D: Code39, Code128, Codabar, Code11, UPC/EAN, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Matrix 2 of 5, Korean 3 of 5, GS1 Databar, Code93, MSI, Composite 2D: PDF417, Postal CodesMicro PDF, Micro PDF417, Code128 Emulation, Aztec, Data Matrix, GS1 Data Matrix, QR Code, GS1 QR, Maxicode, Micro QR, Han Xin, Grid Matrix, Dotcode, OCR

#### DECODE RANGES

5 mil Code 39	3.3in. - 8.8in. /84.0mm - 224.0mm
5 mil Code 128	2.8in. - 8.2in. /71.0mm - 208.0mm
6.6 mil PDF417	2.0in. - 13.5in. /50.8mm - 343.0mm
10 mil DataMatrix	3.1in. - 8.4in. /79.0mm - 213.0mm
100% UPC-A	2.9in. - 10.1in. /74.0mm - 257.0mm
15 mil QR Code	1.8in. - 26.0in. /46.0mm - 660.0mm
20 mil QR Code	2.0in. - 30in. /50.8mm - 762.0mm



AB1800



AB2200



AB2200

## GENERALSCAN

#### Generalscan Inc.

200 Buckelew Ave, Jamesburg,  
NJ 08831, USA  
+1 732 895 6821

#### Generalscan Electronics GmbH

Hochstraße 42, 52525  
Heinsberg Germany  
+49 1516 7161256

#### Generalscan LLC

Calle San Luis Potosi 51,  
Roma Norte 06700,  
Ciudad de México  
+52 5552727861

#### GENERALSCAN ELEKTRONIK VE TEKNOLOJİ SAN. VE TİC. LTD. ŞTİ.

FSM Mah. Siir Sk. Relux Plaza No 10,  
Ümraniye 34764,  
İstanbul, Turkey  
+90 542 478 5873