

WSC-1600 WSC-2700

Wearable Scanners



WSC-2700



WSC-1600

The WSC-1600 and WSC-2700 wearable scanners are the ultimate in hands-free scanning technology when it comes to combined comfort and efficiency. Designed for challenging environments like warehousing and manufacturing, they are surprisingly lightweight, coming in at under 2.1 ounces. The scanners come with a mount designed to be worn on the index finger or on the back of the hand with an optional strap or glove. All accessories can be configured for the right or left hand. The illuminated aiming beam makes scanning barcodes quick and error-free. The wireless technology provides reliable connectivity to a host device, such as AML's Dragonfly wearable computer.

The WSC-1600 and WSC-2700 can operate with almost any host device with wireless capability and connecting is as easy as scanning a barcode. The battery is swappable and can be charged while installed in the device, again using USB-C, or using the optional standalone battery charger.

Features	Benefits
Versatile Mounting Options	The WSC-1600 and WSC-2700 come with a finger mount and trigger assembly that can be configured for the left or right index finger. There are also options available for wearing the scanner on the back of the left or right hand.
High Performance Scan Engine	Both scanners emit a bright, rectangular light field with a central green aiming target for quick and accurate scanning. Scan virtually any barcode in any orientation with ease. The barcode scanning distance is determined by the type of scan engine and the size and quality of the barcode.
Industrial Design	The wearable scanners are designed for all-day use in harsh and challenging environments such as manufacturing plants and distribution centers. The durable housing and hardened scan window ensure toughness and reliability, ensuring minimal downtime and maximum ROI.
Extended Battery Life	The 600 mAh Li-Ion swappable battery in each scanner will ensure a full-shift operation for most applications, keeping workers engaged and maximizing their efficiency.
Pairing Options	When used in conjunction with AML's Android®-based devices, such as the Dragonfly wearable computer or Firebird VMU, connecting is as simple as scanning a barcode.

Physical Specifications

Dimensions 1600: 2.55in. x 1.36in. x 1.03in.
2700: 2.76in. x 1.43in. x 1.12in.

Weight 1600: 1.62oz / **2700:** 2.08oz

Main Battery 600mAh (battery is swappable)

Charging 5V

Charging Time 100 min (600mAh)

Notification LED, Beeper, Vibration

Wireless Connectivity

Profiles HID Keyboard, SPP, and BLE

Range Up to 150ft (without obstruction)

Performance Specifications

Optical Resolution 1600: 1280 x 960 pixels, rolling shutter
2700: 2688 x 1520 pixels, global shutter

Skew, Pitch & Roll Pitch tolerance $\pm 60^\circ$
Skew tolerance $\pm 60^\circ$
Roll tolerance 360°

Illumination 1600: 1 warm-white LED
Element 2700: 2 warm-white LED

Aiming Element 1600: Green LED / **2700:** Green Laser

Barcode Scanner 1600: 1D/2D Imager (2.2in - 19.5in)
2700: Near/far 2D Imager (2.2in - 40+ ft)

USB

USB Interface USB Type-C

USB Profiles USB HID Keyboard, USB VCP (Virtual Serial Port)

Environmental Specifications

Operating Temp. 14°F to 122°F / -10°C to 50°C

Storage Temp. 14°F to 122°F / -10°C to 50°C

Drop Spec. 5ft drops to concrete

Standard Warranty

AML products are warranted against defects in material and workmanship under normal use and service for a period of one year from the date of purchase. The obligation of AML under this warranty is limited to furnishing labor and materials necessary to return the product to its normal operating condition, or to replace the unit, at AML's discretion, and only on a "return to factory" basis. This limited warranty does not extend to any product, which has been modified, misused, abused, or incorrectly installed. Warranty, also, does not extend to any product that has been repaired or altered by any party other than AML, or has been subjected to unusual physical or electrical stress, negligence or accident. Prior to returning a product for repair, the user must obtain a Return Authorization Number, which must be clearly marked on the outside of the shipping container.

Regulatory Approvals

Class II Laser (WSC-2700 only)



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Corporate Headquarters
7361 Airport Fwy
Richland Hills, Texas 76118

Sales & Customer Service
Tel: 800-648-4452
Fax: 817-381-0004
Email: sales@amltd.com

www.amltd.com
Local: 817-571-9015
Fax: 817-381-0004

Technical Support
Tel: 877-842-3990
Fax: 817-381-0004
Email: support@amltd.com