QC6521/22/26-HPE ESD

1D Laser Barcode Scanner

Important Efficacy of ESD Equipment

Electrostatic discharge protection (ESD) equipment is an indispensable and important equipment in the electronic product manufacturing industry. Since static electricity has a huge impact on the quality, yield and safety of electronic components in the production process, the use of ESD equipment for electronic component manufacturers can effectively reduce static threat,
Minimize the potential hazards of static electricity in the production process to reduce industrial safety accidents and production losses.

ESD electrostatic discharge protection standard body

QC652x-HPE ESD series, the whole series adopts Japanese ESD material masterbatch mixed with high-strength plastic raw materials (PC with ABS), and the shell injection technology of one-piece injection molding ensures the ESD conductive discharge standard (10^7~10^9 power), and also ensures The strong performance of the product, the protection of ESD can be called permanent protection.
Compared with other products on the market, it is made of general plastic, and then sprayed with electrostatic conductive paint on the outside. With the user's contact and use, only sprayed with electrostatic protective paint, the ESD protection is only guaranteed for 1-2 years.

Connection cable

The QC652x=HPE ESD series is used to connect the equipment end wire, also uses ESD masterbatch mixed with flexible plastic, one-piece injection molding wire sheath, built-in conductive circuit, effectively export the static electricity accumulated in the scanner gun, instead of other ESD products using general plastic wire outside Spray conductive paint to use as connecting cable.

Easy to upgrade

Built-In Remote System Performance Monitoring Provides remote access to scanner statistics for easy remote management.

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High-performance 1D laser barcode scanning

QC6521/22/26-HPE has a barcode scanning experience with first-class mid-to-long distance scanning performance, scanning range, application flexibility, reliability and durability. Built-in, patented auto-adaptive scanning technology automatically switches between wide and narrow scan angles until a barcode is detected, allowing users to zoom in on barcodes up to 15 feet/4.5 m and zoom out to scan barcodes at close proximity, with Widest working range in its class. While workers can scan at greater distances, it can be difficult to see the scan lines on a barcode from a few feet away. The QC6521/22/26-HPE with Enhanced Aiming solves this problem by automatically switching between the scan line and the highly visible aiming point.

Unparalleled Durability

The QC6521-HPE internal laser scanning module features a patented liquid polymer frictionless scan engine that will never wear out, while a patented die-cast chassis also delivers the industry's best reliability ratings - even in shocks up to 2,000G can also operate reliably. Designed for durability, the QC652x-HP brings you high profits and profitability.

Adaptive Scanning

The patented auto-adaptive scanning function automatically optimizes scanning parameters, and the laser beam automatically scales according to the size of the barcode, creating an extraordinary extended working range. The powerful scanning performance complements various work needs, enabling staff to scan barcodes quickly and accurately. Improve work efficiency, no matter whether the ambient light is good or not, QC652x-HP can automatically optimize the scanning parameters, create an extraordinary extended working range, and easily scan far and near barcodes.

Reliable stability and convenience

QC652x series 1D laser scanners provide solid and powerful efficiency, from retail to logistics express, semiconductor electronics industry. The unique grip design of the QC652x scanner is fully in line with ergonomic considerations and provides users with comfort for long-term use. And up to 1.6 meters (QC6521/22) certified drop test, more complete to provide users with reliable usability

Wide wireless operating range (QC6526-HPE only)

The QC6526-HPE Bluetooth scanners provide a connection range of up to 100 meters (straight-line distance, with QC65-BC charging stand or QC65-BD Bluetooth receiver), allowing you to easily scan long-distance tasks with the device

Bluetooth offline convenience (QC6526-HPE only)

QC6526 series Bluetooth scanners have built-in time IC (RTC) and offline storage memory, which can faithfully record the time of each reading data. And the access memory up to 8MB (optional 32MB) can provide you with a storage capacity of about 1 million words (based on a 64-bit computer, each word group occupies 8 bytes). Or 7K offline data (each data occupies 150 words, 150 characters or numbers).
When you come back within range of the Bluetooth connection, you can automatically or manually echo the data or clear the data!

QC6521/22/26-HPE ESD 1D Laser Barcode Scanner

	QC6521-HPE	QC6522-HPE	QX6526-HPE
Type	1D Laser Gun Type Barcode Scanner		1D BT Laser Barcode Scanner
Communication			
Interface	USB HID	RS232	BT 5.0 HID(BLE)
Performance			
Reading Precisions	≥3mil		
Scan angle	53˚		
Skew, Pitch & Roll	Skew：±40˚ Pitch：±65˚ Roll：35˚		
Print Contrast	≥25%		
Scan Rate	104 (± 10) Scan/Per Sec		
Tyoical Working Ranges	3 mil Code 39 : 25 - 155mm 5 mil Code 39 : 30 - 317mm 5 mil Code 128 : 30 - 195mm 7.5 mil Code 39 : 28 - 470mm 10 mil Code 128 : 30 - 482mm 13 mil 100% UPC : 40 - 686mm 15 mil Code 128 : 25 - 750mm 20 mil Code 39 : 26 - 1320mm 55 mil Code 39 : 86 - 2540mm 100 mil Code 39 : 610 - 5180mm		
Scan Type	Single scan, flash auto scan, continuous scan		
Symbologies			
1D Barcode	UPC-A, UPC-E, UPC-E1, EAN/JAN-8, EAN/JAN-13, Bookland EAN, Code 128, GS1-128, ISBT 128, Code 39, Trioptic Code 39, Code 32, Code 93, Code 11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Matrix 2 of 5, Korean 3 of 5, Codabar, MSI, GS1 DataBar		
Scan Preferences	Read 1D barcode decoding mode		
Programmable Features	Data editing, barcode setting, firmware update		
Color	Black (Rubber) and Grey (PC with ABS)		
Shell Surface resistance	Injection molding of mixed ESD plastic masterbatch Scanner Shell Surface resistance 10^{-7}~10^{-9}		
Cable Surface resistance	Injection molding of mixed ESD plastic masterbatch Scanner Cable Surface resistance 10^{-7}~10^{-9}		
Dimension	160 mm H x 68.8 mm W x 86 mm D		
Weight	125g ± 5 (Without Cable) , 220g ±5 (With Cable)		180g ± 5g
Electrical			
Built-in memory	None		8MB(option 32MB)
Battery capacity			2600 mAh
Working Time			16 Hours / Scanner Barcode Per 5 sec
Standby Time			280 Hours
Tansfer Distance			100M straight-line distance (requires Bluetooth charging stand QC65BC)
Standby Time	DC 5V ± 5%		None
Tansfer Distance	Standby :30mA / Operation:170 mA		
Use Environmental			
Shock Rating	2000 G ±5%		
Operating Temp	-30˚C to 60˚C		-20˚C to 60˚C
Storage Temp	-30˚C to 70˚C		-40˚C to 70˚C
Humidity (non-condensing)	Operating: 95% RH, non-condensing at 122˚F / 50˚C Storage: 85% RH, non-condensing at 158˚F / 70˚C		
Ingress Protection	IP43		
Electrostatic Discharge	Air 8KV		
Ambient Light	Max 86.111 lux（direct sunlight）		
Certification Specification	BSMI, CE, FCC, RoHs		
Regulatory			
Laser diode	650nm		
Laser Classification	Intended for use in CDRH Class II/IEC 825 Class 2 devices		
Electrical Safety	UL 60950-1; EN/IEC 60950-1; EN/ IEC 60825-1		
Accessories			
Connect Cable	2M USB Cable or 2M RS232 Cable		None
Stand	QC65 (QC65SH)		
Charge Cradle	None		QC65BC: QC6556 BT Charge Cradle (Built-in Bluetooth, Support stand function) QC65CC: QC6556 Charge Cradle (only Charge, Support stand function)
BT HID Dongle			QC65BD : HID Bluetooth 5.0 Dongle (Plug and Play)
Warranty			
Scanner	2 Years Limited Warranty		
Battery	6 Month Limited Warranty		

Application

- Electronics manufacturing plant
- Eemiconductor factory
- Packaging and testing factory
- Panel factory