



IBM SurePOS 4685/4698 USB Scanners



*Fast scanning for POS applications*



**IBM 4685/4698**

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IBM 4685-LOC Scanner

## **Highlights**

### **Powered USB connectivity**

IBM barcode scanners feature Universal Serial Bus (USB) connectivity, so you get plug-and-play performance as well as hot-plug and hot-unplug capabilities – without an additional converter box.

### **Smooth integration**

Ideal for use with a wide variety of IBM POS solutions, including the IBM SurePOS 700™ Series, these scanners help you obtain a total POS solution from IBM.

### **Engineered for reliability**

These scanners feature proven, retail-hardened designs that can withstand some of the toughest store environments.

### **Outstanding value**

IBM barcode scanners are among the most competitively priced solutions on the market today and they deliver tremendous performance value.

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*Dependable scanning solutions for every retailer*

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## **Dependable scanning solutions for every retailer**

Exceptional customer service depends on quick and easy checkout. That's why reliable, retail-hardened barcode scanners are such critical components of every point-of-sale (POS) system. IBM delivers a complete line of durable handheld and fixed barcode scanners designed specifically for retailers located in Asia. These value-priced scanners offer convenient USB connectivity, so you can attach or detach them dynamically, without powering down or reconfiguring the system. They integrate smoothly with IBM solutions such as the IBM SurePOS 700 Series. And they provide world-class performance, even in harsh retail environments.

Keep in mind, barcode scanners are just one part of the IBM portfolio of retail store solutions. With our vast selection of POS terminals, displays, printers and software, you can configure an ideal POS solution for virtually any retail environment. Which means you have one point of contact for responsive service, regular maintenance and solution upgrades.

### **Handheld scanners**

The IBM 4685-S01 CCD handheld barcode scanner with USB interface is an ideal solution for fast, accurate touch scanning applications. It is significantly lighter and more rugged than most handheld laser scanners, yet it provides the speed and precision scanning essential for busy POS stations.

The 4685-S01 features a stylish design and aim-and-shoot operation. The 2.4-inch (6.1 cm) scanning window captures the entire barcode instantly for excellent first-try read rates on low-quality labels and labels on curved or irregular surfaces.

The 4685-S01 has reliable 100% solid-state technology with no internal moving parts. It offers a positive reading check, with a buzzer sound and green LED light. Plus, it is remarkably easy to install.

The IBM 4685-L0H laser handheld barcode scanner with USB interface delivers accurate scanning at a distance, even when codes are warped or wrinkled, which makes it a great choice for warehousing or shipping of large or heavy goods.

With a high first-pass read rate and one of the best speed-to-read of any scanner in its class, the IBM 4685-L0H helps to accelerate checkout. Its 13-inch (33 cm) depth of field with barcode labels extends its working range.

The reliability of this system is exceptional. Anti-shock mounts that absorb up to 1500 Gs protect the reading engine and optics. Its durable plastic enclosure guards against liquids and dust. A tough, rubber-like shield safeguards the window from scratching, prevents the unit from slipping off counter surfaces, and allows the system to withstand repeated five-foot (152 cm) drops to concrete. The coiled cable, with strain relief and end cap, is made from tear-resistant polyurethane and retains its memory after repeated flexing and stretching.

The IBM 4685-L0H helps to maximise operator comfort to prolong productivity. Its balanced form was designed to be held easily by virtually any operator, even during extended periods of use. And the positive response trigger provides tactile feedback when pressed, yet allows the operator's index finger to relax comfortably between scans.



*IBM 4685-L0H Scanner*



*IBM 4685-S01 Scanner*

### **Fixed barcode scanners**

The IBM 4685-LOC compact fixed barcode scanner with USB interface sets a new standard for high-performance, hands-free retail laser scanning. This omni-directional mini-slot scanner features one of the fastest first-pass read rates in the world.

Improved optics can read barcodes that are perpendicular or at an angle from the scan window. The result is a large, dense scanning field that virtually eliminates the need to tilt items toward the scanner window. This is designed not only to speed checkout, but to reduce the fatigue of repetitive motion and to enhance operator comfort.

Designed with checkout space in mind, the 4685-LOC offers an exceptionally small footprint. Its thin, 3-inch (7.6 cm) profile accommodates seated operators who require additional legroom. Beeper volume and frequency are adjustable, and selectable cable length eases installation and setup.

The IBM 4698-101 two-plane fixed barcode scanner with USB interface is an excellent choice for high-volume POS environments. Its enhanced optical design reads the bottom and all four sides of any item simultaneously to eliminate "blind spots". So, operators don't need to lift or reorient merchandise – they simply slide items over the flush-mounted top.

The 4698-101 takes up little counterspace and accommodates many different checkout arrangements, so operators can maximise eye contact with customers.

This scanner is exceptionally durable, with a stainless steel top and sapphire glass window. Internally, the lightweight facet wheel, single visible laser diode (VLD) and advanced motor design offer world-class reliability.



*IBM 4698-101 Scanner*

**IBM SurePOS 4685/4698 USB scanners at a glance**

	<b>4685-S01</b>	<b>4685-LOH</b>	<b>4685-LOC</b>	<b>4698-101</b>
<b>Readable brace</b>				
<i>EAN/JAN-8/13</i>	Standard	Standard	Standard	Standard
<i>UPC-A/E</i>	Standard	Standard	Standard	Standard
<i>UPC-D</i>	Optional <sup>1</sup>	–	–	Optional <sup>1</sup>
<i>UPC-D1D2D4D5</i>	–	–	–	Optional
<i>Code 39</i>	Standard	Optional <sup>1</sup>	Standard	Optional <sup>1</sup>
<i>Code 128</i>	Standard	Optional <sup>1</sup>	Optional <sup>1</sup>	Optional <sup>1</sup>
<i>EAN-128</i>	Standard	–	Optional <sup>1</sup>	Optional <sup>1</sup>
<i>Code 93</i>	Optional <sup>1</sup>	Optional <sup>1</sup>	–	–
<i>EAN/JAN/UPC/S</i>	Optional <sup>1</sup>	Optional <sup>1</sup>	Optional <sup>1</sup>	Optional <sup>1</sup>
<i>EAN/JAN-13 TL</i>	Optional <sup>1</sup>	–	Optional <sup>1</sup>	Optional <sup>1</sup>
<i>CODEBAR(NW7)</i>	Optional <sup>1</sup>	Optional <sup>1</sup>	Standard	–
<i>Interleaved 25</i>	Optional <sup>1</sup>	Optional <sup>1</sup>	Standard	Optional <sup>1</sup>
<i>Standard 25</i>	Optional <sup>1</sup>	–	–	–
<b>Dimensions</b>				
<i>Height (mm)</i>	60	165	78	131
<i>Length (mm)</i>	160	107	152	353
<i>Width (mm)</i>	50	70	152	292
<b>Weight (g)</b>				
	100	160	820	5900
<b>Colour</b>				
	Stone/ivory	Grey/white	Black	Grey/silver
<b>Software</b>				
	<ul style="list-style-type: none"> <li>• 4690 OS V2R3 (includes JavaPOS™ 1.4)</li> <li>• Microsoft® Windows® 2000 Professional with Point-of-Sale Subsystem for Windows support from Point-of-Sale Subsystem Suite V1.1 or later with OPOS and JavaPOS support from POSS Suite V1.2 or later</li> <li>• Windows 98 Second Edition with POSS/Win V2.1.1, OPOS and JavaPOS support from Point-of-Sale Suite V1.1 or later</li> </ul>			
<b>Performance</b>				
<i>Light source</i>	LED Red (644nm)	680nm	670nm	670nm
<i>Scan type</i>	CCD	Visible laser diode	Visible laser diode	Visible laser diode
<i>Scan rate</i>	–	42 scan/sec	1620 scan/sec	3600 scan/sec
<i>Scan pattern</i>	90 frame/pattern	48 frame/pattern	6 direction/18 scan/ 90 frame/sec	48 pattern (24/24 h/v)
<i>Minimum resolution</i>	0.15mm	0.127mm	0.15mm	0.15mm
<i>Depth of field</i>	0 to 10mm	1.3 to 483mm	0 to 10mm	0 to 10mm
<i>Beeper</i>	Volume is changeable by the barcode menu in the setup, operation and service guide			
<i>Volume</i>	Loud/medium/low	Loud/low	Loud/medium/low	Loud/medium/low
<i>Tone</i>	4.1kHz	2.3kHz	High/medium/low	1024 Hz
<b>Interfaces</b>				
<i>USB</i>	For attachment to the IBM SurePOS 700 Series			
<i>Standard feature</i>	9540 Powered USB cables for attachment to IBM SurePOS 700			
<i>Euro-ready</i>	Yes	Yes	Yes	Yes
<b>Limited warranty</b>				
	1 year	1 year	1 year	1 year
<b>ISO certification</b>				
	IBM's Retail and Distribution Solutions' development and manufacturing organisations are ISO 9001 certified.			

<sup>1</sup> Selectable via user manual



**Discover more today**

To find out more about IBM barcode scanners or other offerings from IBM Retail Store Solutions, contact your local IBM representative or find us on the Web at

**[www.ibm.com/industries/retail/store](http://www.ibm.com/industries/retail/store)**

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Printed on recycled paper containing  
10% recovered post-consumer fibre.

*Front cover shows an IBM 4698-101 Scanner  
Top image shows an IBM 4685-S01 Scanner*

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