3800LX
Handheld Linear Imager

The 3800LX is a longer range, high performance, handheld bar code scanner. The 3800LX uses linear imaging technology to match the reading distance of standard range lasers with a bright, sharp aiming line. In addition, the 3800LX offers high resolution imaging to deliver exceptional reading performance.

The 3800LX handle is smoothly contoured to fit all sized hands, plus has a soft grip area to add comfort and prevent slipping. Its aesthetically pleasing look surrounds a rugged, durable construction, built for demanding work environments. The 3800LX is so durable, it carries a 5 year warranty.

The 3800LX is excellent in handheld scanning applications, such as retail point of sale and in-store inventory. It operates from a tabletop holder in manual trigger mode, or may be placed in an adjustable stand for automated operation. The 3800LX can be used indoors or outside in bright sunlight. Typical applications are retail point-of-sale, in-store inventory, document management, transaction processing of bar coded receipts, payment counter, and outdoor sales kiosks.

Models are available for different interfaces:

The 3800LX-11 is available for IBM 486X, 469X, OCIA, PC XT/AT/PS-2 Keyboard Wedge, Direct Connect Keyboard Replacement, TTL Level RS-232, TTL Serial Wedge, Wand Emulation, HHLC, and Non Decoded.

The 3800LX-12 can be used with PC XT/AT/PS-2 Keyboard Wedge, Direct Connect Keyboard Replacement, Apple ADB, TTL Level RS-232, TTL Serial Wedge, Wand Emulation, HHLC, and Non Decoded.

The 3800LX-14 offers USB connectivity to PC-based products that use Microsoft® Windows® 98, Windows® 2000, and Windows NT® 2000, as well as the Apple® iMac® computer. In addition to offering USB connectivity, the 3800LX-14 also provides PCXT/AT/PS-2 keyboard wedge, direct connect keyboard replacement, TTL level RS-232, TTL serial wedge, wand emulation, and non decoded connectivity.

The 3800LX-15 offers all the connectivity of the 3800LX-14, plus IBM SurePOS USB, IBM 486X, and 469X connectivity.

Features

Even More Reading Distance - Provides greater range on UPC than standard lasers for faster, easier point-of-sale scanning.

Bright, Sharp and Focused Aiming Line - Easy to aim and scan codes in any lighting condition from darkness to full sunlight, on tightly stacked bar code sheets, or small, high resolution labels.

Solid, Rugged Design - No moving parts inside and solid construction outside deliver years of reliable service in demanding work environments.

Powerful, Flexible Architecture - Connects and interfaces to all major PCs, commercial and retail POS terminals easily and quickly with Windows®-based programming tools or bar code programming menus.

Real World Reading Performance - Accommodates printer induced bar space variation, faded labels, short quiet zones, low contrast codes, dot matrix printing, and multipart forms with higher resolution, better optics, and improved decoding algorithms.

5 Year Warranty

3800LX Specifications

Performance

Illumination:	630 NM Visible Red LED
Receiving Device:	3648 element linear imager
Reading Distance:	From 2 in. (5.1 cm) to 16 in. (40.6 cm) on 100% UPC codes From 3 in. (7.6 cm) to 36 in. (91.4 cm) on 40 mil codes
Reading Width:	6 in. (15.2 cm) code width at 9 in. (22.9 cm) distance on 100% UPC 16 in. (40.6 cm) code width at 25 in. (63.5 cm) on 40 mil
Resolution:	6.5 mil. at 5.5 in. (14 cm) distance
Skew Angle:	±30º
Pitch Angle:	±15º
Horizontal Velocity:	2 in. (5.1 cm) per second
Minimum Reflectance	
Difference:	30%
Scan Rate:	Programmable to 270 scans per second
Decode Rate:	270 decodes per second

Mechanical/Electrical

Dimensions

Length:	5.3 in. (13.5 cm)
Height	6 in. (15.2 cm)
Width:	3.1 in. (7.9 cm)
Weight:	6.3 oz. (179.2 g)
Housing:	Polycarbonate/ABS blend, UL 94V0
Power Requirements:	5Vdc ± 10% at scanner

Current Draw:	Scanning	Standby	**3800LX-14:**	Scanning	Standby	**3800LX-15:**	Scanning	Standby
@270 s/s	275mA	125mA		325mA	150mA		500mA	265mA
@67 s/s	150mA	125mA						

Power Supply

Noise Rejection:	Maximum 100mV peak to peak, 10 to 100 kHz

Environmental

Temperature

Operating:	+32ºF to +122ºF (0ºC to +50ºC)
Storage:	-4ºF to 140ºF (-40ºC to +60ºC)
Humidity:	0 to 95%
Mechanical Shock:	Operational after 25 drops from 5 ft. (1.53 m) to concrete
Ambient Illumination:	0 - 70,000 lux
ESD Protection:	Functional after 15kV discharge
Vibration:	Withstands 5G peak from 20 to 300 Hz
Agency:	FCC Class B, CE EMC Class B, CE Low Voltage Directive, IEC60825-1 LED Safety: Class 1, UL, cUL listed, TÜV
MTBF:	per MIL-HDBK-217F Ground Benign exceeds 100,000 hours
Symbologies:	Codabar, Code 3 of 9 including PARAF, Interleaved 2 of 5, Code 2 of 5, RSS Code, Matrix 2 of 5, Code 11, Code 128, UPC, EAN/JAN, China Postal Code, RSS.
Interfaces:	Most popular PCs and terminals via keyboard wedge, keyboard replacement/direct connect, Apple ADB, USB, IBM SurePOS USB, TTL level RS-232, wand emulation mode, TTL level Serial Wedge, and includes (HHLC) non decoded laser compatible output. IBM 4683/93 and OCIA retail terminals in 3800LR-11 model.
Warranty:	Five year factory warranty