EMBEDDED BARCODE SCANNING PLATFORM · 127.04 × 93.04 MM WINDOW · WEDGE-MOUNT HOUSING

XL-A80 Embedded Barcode Scanning Platform

Countertop-mount imaging platform for self-service terminals

142.65 × 118.65 × 67.70 mm | Window 127.04 × 93.04 mm | 2 × M3 standoffs | 4 corner mounting points | Top LED illumination | Anti-reflection cavity

01 Large Scan Window

127.04 × 93.04 mm optical window, about 70% of the front face, for self-service kiosks, gates and checkout counters reading product codes and screen codes.

02 Wedge-Mount Housing

5.00 mm front bezel and wedge-shaped housing for panel or countertop integration. Confirm panel and recess details against the approved installation drawing.

03 Multi-Point Fixing

Four corner screw holes plus 2 × M3 standoffs (75.00 mm centres, 40.50 mm from the bottom edge) for direct panel fixing or bracket mounting.

04 Illumination & Imaging

LED illumination along the upper window edge, a central imaging lens, and a matt black cavity that suppresses ambient reflections. Flat front window is easy to clean.





Front view



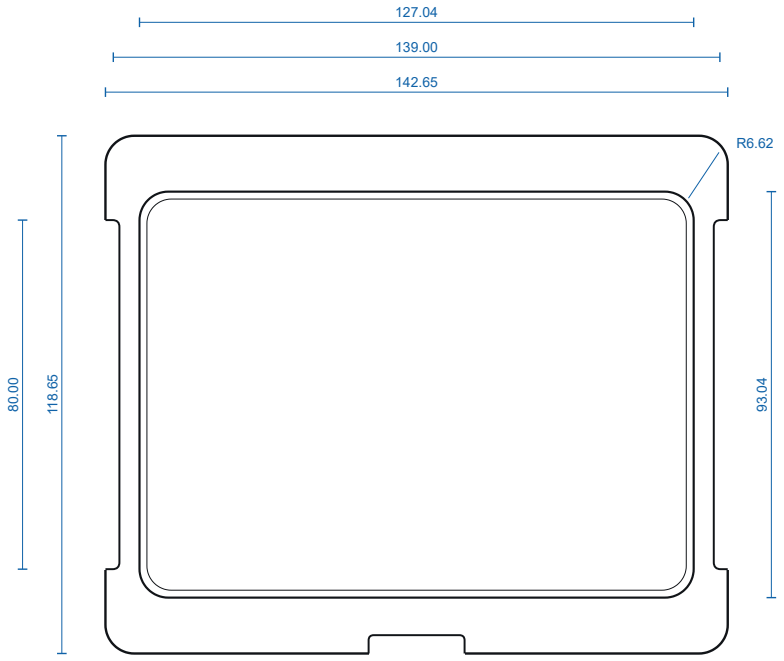
Side view

Applications

Self-service checkout terminals, self-ordering kiosks, access gates and turnstiles, parcel lockers and smart cabinets, retail countertop integration.

Front View

all dimensions in mm

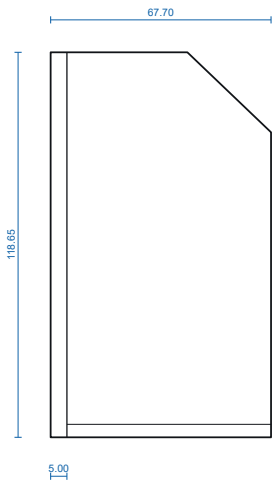


Front view

KEY DIMENSIONS	
Overall width W	142.65 mm
Overall height H	118.65 mm
Body depth D	67.70 mm
Scan window	127.04 × 93.04 mm
Outer corner radius	R6.62
Front bezel thickness	5.00 mm
Side slot height	80.00 mm
Mounting standoffs	2 × M3
Standoff centres / from bottom	75.00 mm / 40.50 mm

Side View

insertion depth



Side view

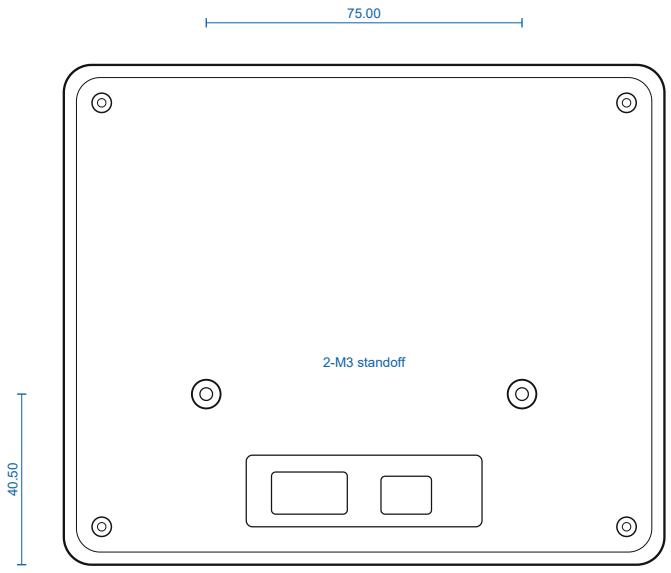
Installation Notes

1. Confirm panel cut-out, panel thickness and tolerances against the approved installation drawing before machining.
2. Overall dimensions and optical-window dimensions are not panel cut-out dimensions.
3. Allow connector clearance and follow the cable manufacturer's minimum bend radius.
4. Verify mounting points on the drawing. Keep the window clear and avoid direct strong light.

Notes: 1) All dimensions in mm; refer to the structural drawing for unspecified dimensions. 2) Verify the panel opening against the actual unit before cutting. 3) The window is an optical surface — avoid scratching it during installation and cleaning. 4) Design and appearance are subject to change without notice.

Shenzhen Xinlong IoT Technology Co., Ltd.
Address Room 207, Building A, No. 168 Cenxia Road, Fenghuang Community, Fuyong Street, Bao'an District, Shenzhen, China
Email lixuan@xinlongiot.com **Web** www.xinlongiot.com

Rear View / Mounting rear panel



Rear view



Rear panel

Specifications

MECHANICAL	
Dimensions	142.65 × 118.65 × 67.70 mm
Scan window	127.04 × 93.04 mm
Housing	Black engineering plastic, 5.00 mm front bezel
Mounting	Countertop recess / bracket
Optical axis	Upward-tilted imaging

Performance data — to be confirmed

Performance fields will be filled from the final datasheet; no values are pre-set here to avoid a mismatch with production units.

Image sensor · Resolution · Field of view · Min. resolution · Symbologies · Interface · Power supply · Power consumption · Operating temperature · Sealing

Ordering Information

XL-A80 embedded barcode scanning platform (standard version). Interface, cable and bracket are configured per project — please state the interface type and mounting method when ordering.

Installation points: Verify panel cut-out, panel thickness, fixing locations and standoff engagement against the approved installation drawing. Allow rear clearance for the connector and follow the cable manufacturer's minimum bend radius. Keep the optical window free of fingers, tools and obstructions.

Shenzhen Xinlong IoT Technology Co., Ltd.
Address Room 207, Building A, No. 168 Cenxia Road, Fenghuang Community, Fuyong Street, Bao'an District, Shenzhen, China
Email lixuan@xinlongiot.com **Web** www.xinlongiot.com