

ZAPPING BOUNDARIES
EEXPLORING EXTRA
-ORDINARY

 **ZEBEX**

2026 CATALOGUE

OVERVIEW



CSR



COMMITMENT TO YOUR AUTO IDEAL LIFE

Over 35 Years of Expert Knowledge and Customer Satisfaction
ZEBEX was founded in 1987; we are a Taiwanese company dedicated to the production of Auto-ID equipment with decades of expert knowledge and practical experience.

ENVIRONMENTAL SUSTAINABILITY

Implement energy-saving and waste reduction, implement green operations.
As a commitment to save the environment, ZEBEX tries to do its part to combat the effects of climate change.

- Give back to the environment
- Green product policy
- Energy-saving and carbon-reduction

QUALITY PRODUCTION

High quality is central to every part of the ZEBEX business. With our dedication to all-around high-quality work, ZEBEX has been granted ISO 9001:2015 certification since 1998, along with a growing list of industry-recognized accreditations and qualifications.



COMMUNITY PARTICIPATION

Participate in social welfare and benefit the disadvantaged in society.
ZEBEX believes that while creating its revenue growth, it must also help the society. Therefore, ZEBEX asks its colleagues to contribute to the community through various services.

- Helping the misfortunes. (Love is the light concert)
- Charity sale for children
- Epidemic prevention support

DRIVEN BY INNOVATIVE TECHNOLOGY

Our ongoing R&D program has resulted in the development of the most advanced decoding technology on the market – the Z-SCAN+ and our unique patented omnidirectional scanning technology. The products we bring to the market are always designed with excellent quality and innovation in mind.

CORPORATE COMMITMENT

Improve employee well-being and promote social stability.
ZEBEX values employees' physical and mental health. We try our best to achieve positive changes and promote the natural stability of the company and society.

- Organize health activities
- Safe working environment
- Regular health checkups.
- Welfare Committee activities

INTERNATIONAL GLORY, WORLD-CLASS EXCELLENCE

In recognition of our commitment to research and good product design, ZEBEX products have won numerous prestigious international awards; examples include: iF Product Design Awards 2007 & 2009, the red dot product design award 2007 & 2010 in Germany, Good Design Award 2007 & 2015 in Japan, and more.



FULL SUPPORT FOR OUR CUSTOMERS – HARDWARE, MARKETING, AND SYSTEM DEVELOPMENT

ZEBEX's business partners enjoy the benefits of complete support, including system integration, marketing, software development, and multi-level troubleshooting. By becoming a ZEBEX partner, you will have access to resources and tools to help shape your Auto-IDeal Life.

CORPORATE GOVERNANCE

Strengthen corporate governance and deepen sustainable management.
Sustainable management is no longer limited to the enterprise itself but should be extended to all relational supply chains. We collaborate with business partners to create shared values in CSR. In doing so, we can create more potential opportunities and benefits for all. Pursue sustainable quality management: **ISO9001:2015 certification**

INDEX

*The sustainability of ZEBEX is rooted in the business philosophy of
"Environmentally Friendly Products Made in Taiwan."*

*To achieve this vision, we have adopted the "Continuing Value" strategy
that uses environmental, social, economic, and other factors to shape our
corporate competitive advantage.*

03

INDUSTRIAL SCANNER

ZX-3050、ZX-3020
ZX-1060、ZX-1010

04

SENSOR

ZX-TD0200、ZX-PE0040

05

SCAN MODULES / ENGINES

Z-5552 Plus、Z-5652 Ultra、A-50M Plus
Z-5212 Plus、Z-5112GT、Z-5132GT
Z-5111、Z-5130、Z-5160

08

HANDS-FREE SCANNERS

Z-8182、Z-8072 Ultra
Z-6170、Z-6012GT

10

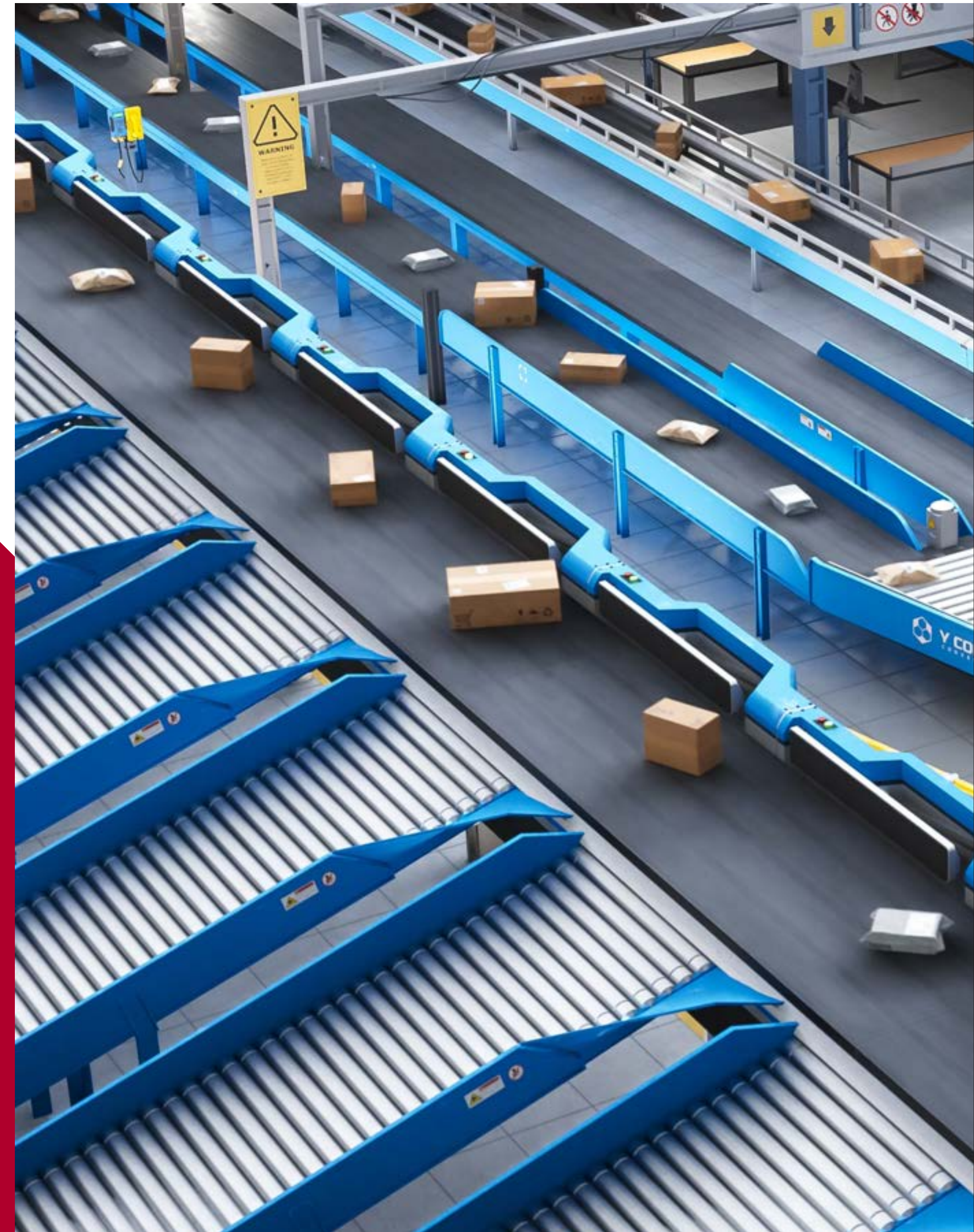
HANDHELD SCANNERS

Z-3572、Z-3502
Z-3392 Plus、Z-3272 Plus、Z-3220 Plus
Z-3192BT Plus、Z-3190BT Plus、Z-3190
Z-3102、Z-3100

14

KIOSK

ZK-S2700、ZK-S2400
ZK-S1560、ZK-S1010

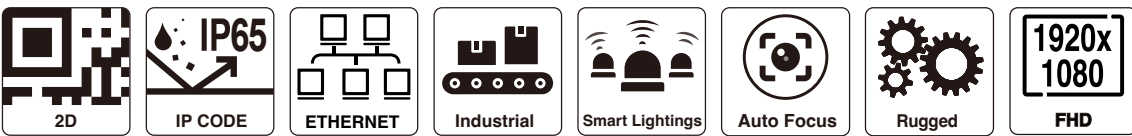


INDUSTRIAL SCANNER

These fixed scanners define precision and efficiency, offering unmatched reliability in industrial environments.



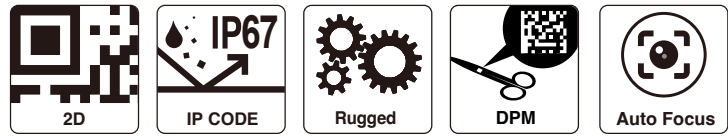
ZX-3050
2D Image Fixed Industrial Scanner



Optical System	1920 x 1080 CMOS
Light Source	Red / White LED
DOF	50 mm ~ 1000mm (Auto Focus)
FOV	248 x 138mm@300mm
Input Voltage	24 VDC
I/O	Input*2, Output*3
Interface	RS232, USB, Ethernet (TCP/IP, FTP, DHCP, ModBus TCP)
Protection	IP65
Dimension	58.3 x 44.6 x 43.9mm
Weight	265g



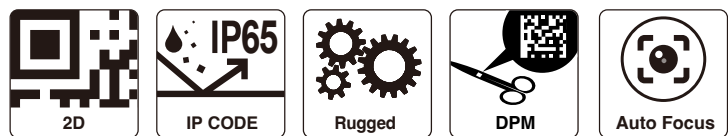
ZX-3020
2D Image Fixed Industrial Scanner



Optical System	1280 x 800 CMOS
Light Source	Polarized White Light
DOF	100 mm ~ 1000mm (Auto Focus)
FOV	480 x 300 mm (@1000 mm)
Input Voltage	24 VDC
I/O	Input*2, Output*3
Interface	RS232, Ethernet (TCP Server, TCP Client, ModBus TCP, ModBus RTU, Profinet, Ethernet/IP, MEMSEC/SLMP, Fins, Serial)
Protection	IP67
Dimension	58 x 53.5 x 83 mm
Weight	220g



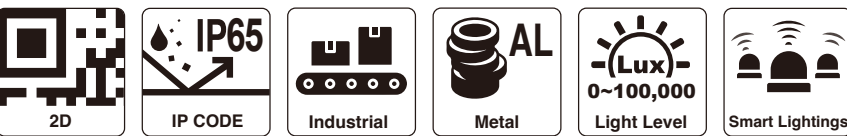
ZX-1060
2D Image Fixed Industrial Scanner



Optical System	1288 x 1088 CMOS
Light Source	Polarized White Light
DOF	40mm ~ 300 mm (Auto Focus)
FOV	173x147@300mm
Input Voltage	24 VDC
I/O	Input*2, Output*3
Interface	RS232, Ethernet (TCP Server, TCP Client, ModBus TCP, ModBus RTU, Profinet, Ethernet/IP, MEMSEC/SLMP, Fins, Serial)
Protection	IP65
Dimension	47 x 25 x 43 mm
Weight	100g



ZX-1010
2D Image Fixed Industrial Scanner



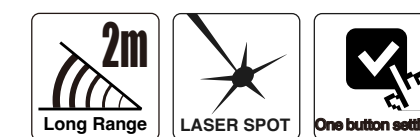
Optical System	1280 x 800 CMOS
Light Source	Red LED support 7 different light mode
DOF	5 mil (Code39) : 55 - 170 mm 7 mil (QR Code) : 35 - 90 mm 13 mil (EAN 13) : 50 - 380 mm
Min. Resolution	4 mil (Code 39) 7 mil (QR code)
Print Contrast	30% @ UPC/EAN 100%
Light Level	Max. 100,000 Lux
Input Voltage	5 - 36 VDC
Interface	USB (HID ; CDC), RS-232, Ethernet (I/O Box), TCP/UDP
Op. Current	300 mA typical
Protection	IP65
Dimensions	36 x 43 x 24 mm (device only)

NEW SENSOR

*Data Capture and Classification:
Powering modern automated manufacturing lines*



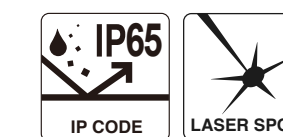
**ZX-TD0200
Laser Sensor**



Principle	TOF (Time of Flight)
Detection Range	100 – 2000 mm
Light Source	Laser Diode 650nm
Spot Size	< 5mm@2000mm
Sensitivity Adj.	Button setting
Response Time	1 ms



**ZX-PE0040
Laser Sensor**



Principle	Photoelectric Sensor
Detection Range	20 – 400 mm
Light Source	Red laser, 650 nm (modulated)
Spot Size	about ø1.5 mm / 400 mm
Sensitivity Adj.	6-turn potentionmeter
Response Time	≤ 1.2 ms
Protection	IP65

SCAN MODULES



Z-5552 PLUS
2D Image Scan Module



Optical System	1280 x 800 CMOS
Light Source	Illumination: 617nm LEDs
DOF	5mil (Code39) : 65-115mm 13mil (EAN13) : 40-250mm
Min. Resolution	4mil (Code39)
Print Contrast	30% @UPC/EAN 100%
Light Level	0- 100,000 Lux
Op. Current	230 mA @5V (Typical)
Protection	IP54
Dimensions	64.2 x 47 x 25.7 mm (device only)
Weight	approximately 150g



Z-5652 ULTRA
2D Image Scan Module



Optical System	1280 x 800 CMOS
Light Source	Illumination : 617nm LEDs
DOF	5 mil (Code 39) : 65 - 115 mm 13 mil (EAN13) : 40 - 250 mm
Min. Resolution	4 mil (Code 39)
Print Contrast	30% @ UPC/EAN 100%
Input Voltage	5 VDC ± 5%
Op. Current	230 mA @ 5V (Typical)
Dimensions	24.3 H x 42.6 W x 63.3 D mm
Weight	110 g



SCAN MODULES



Z-5132 GT
2D Image Scan Module



Optical System	1280 x 800 CMOS
Light Source	Illumination : White LEDs
DOF	5 mil (Code 39) : 60 - 160 mm 13 mil (EAN13) : 40 - 280 mm
Min. Resolution	4 mil (Code 39)
Print Contrast	30% @ UPC/EAN 100%
Input Voltage	5 VDC $\pm$ 5%
Op. Current	125 mA @ 5V (Typical)
Protection	IP65
Dimensions	19 H x 38 W x 38.6 D mm (device only)
Weight	22 g



Z-5130
Middle-Range CCD Scan Module



Optics	Linear CCD array, 32-bit MPU
DOF	4 mil : 50 - 115 mm 5 mil : 50 - 150 mm 7.5 mil : 50 - 210 mm 10 mil : 50 - 250 mm 13 mil : 50 - 320 mm 20 mil : 50 - 380 mm
Scan Rate	330 scans per second
Bar Width	Min. 4 mil (Code 39, PCS=90%)
Input Voltage	5 VDC $\pm$ 10%
Op. Current	100 mA @ 5V (Typical)
Light Level	0 - 100,000 Lux
Dimension	15.8 H x 39.0 W x 26.6 D mm
Weight	15 g (cable excluded)



Z-5160
Middle-Range CCD Scan Module



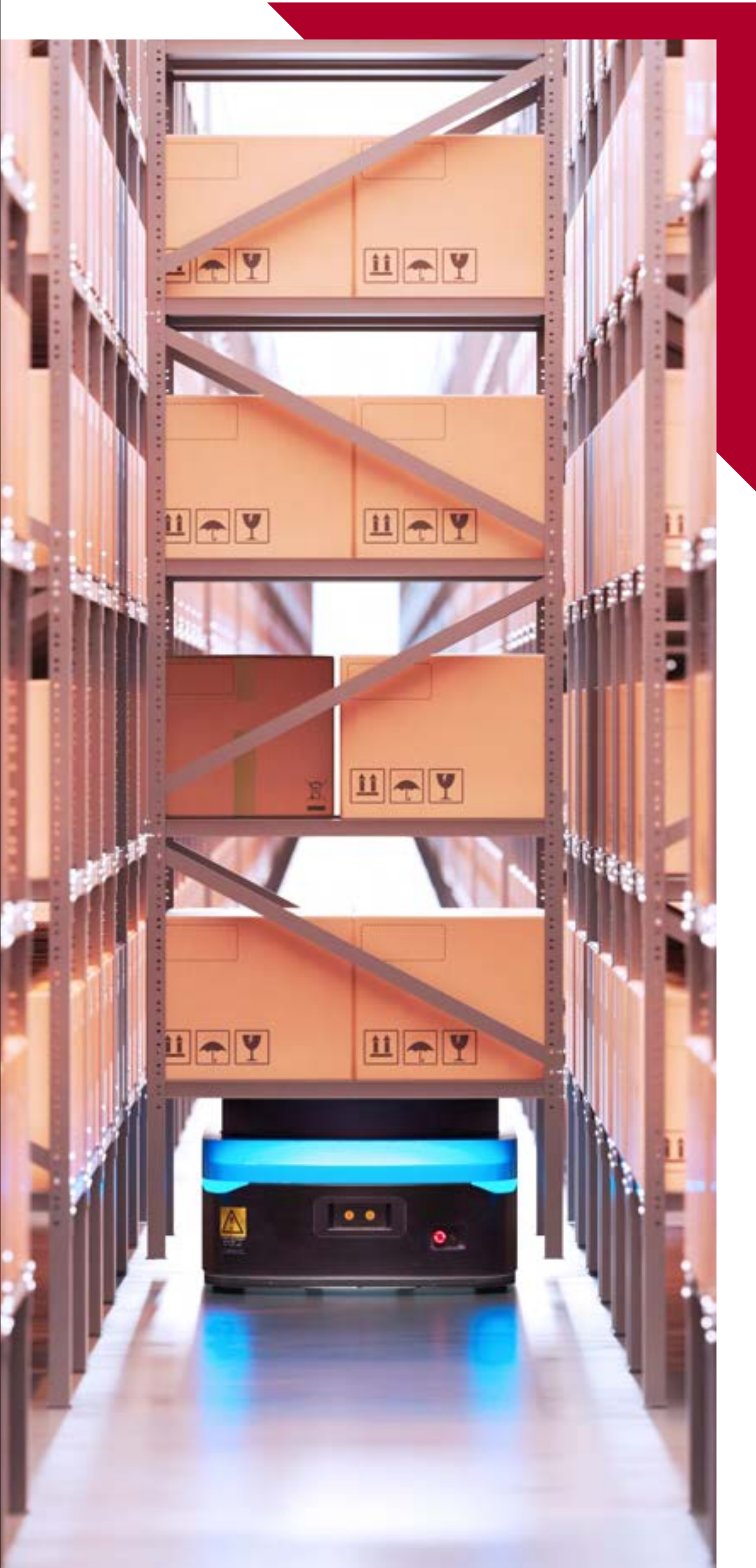
Optics	Linear CCD array, 32-bit MPU
DOF	4 mil : 20 - 80 mm 5 mil : 15 - 115 mm 7.5 mil : 10 - 160 mm 10 mil : 10 - 220 mm 13 mil : 5 - 280 mm 20 mil : 20 - 360 mm
Scan Rate	330 scans per second
Bar Width	Min. 0.1 mm (0.07 mm actually); (Code 39, PCS = 90%)
Input Voltage	5 VDC $\pm$ 10%
Op. Current	100 mA @ 5V (Typical)
Dimension	30.3 H x 65.0 W x 80.0 D mm
Weight	121.5 g (device only)



A-50M PLUS
Omnidirectional Laser Scan Module



Optics	650 nm VLD
DOF	5 mil : 30 - 80 mm 7.5 mil : 0 - 150 mm 10 mil : 0 - 160 mm 13 mil : 0 - 200 mm 20 mil : 0 - 260 mm
Scan Rate	1,400 scans per second
Scan Pattern	20 lines & 5 directions
Input Voltage	5 VDC $\pm$ 10%
Op. Current	200 mA @ 5V (Typical)
Light Level	Max. 4,500 Lux (fluorescence)
Dimension	72.0 H x 64.0 W x 68.0 D mm
Weight	140 g (device only)



Our products are perfect for AGVs, ensuring precise and automated warehouse scanning.

ENGINES



Z-5212 Plus
2D Image Scan Engine



Optical System	1280 x 800 CMOS
Light Source	617 nm LED
DOF	4 mil (Code39) : 50 – 130 mm 7 mil (QR Code) : 50 – 125 mm 13 mil (EAN 13) : 55 – 300 mm
Min. Resolution	4 mil (Code 39)
Print Contrast	30% @ UPC/EAN 100%
Light Level	Max. 100,000 Lux
Op. Current	100 mA 3.3V typical
Dimensions	28.5 H x 20.5 W x 12 D mm (device only)
Weight	6.3 g



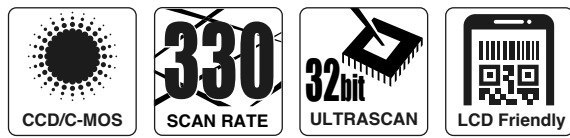
Z-5112 GT
2D Image Scan Engine



Optical System	1280 x 800 CMOS
DOF	5 mil (Code 39) : 60 - 160 mm 13 mil (EAN13) : 40 - 280 mm
Bar width	4 mil (Code 39)
Input Voltage	3.3 VDC / 5 VDC (with I/O board)
Op. Current	180 mA @ 3.3V (Typical)
Dimensions	13.3 H x 30 W x 27 D mm (with I/O board)
Weight	8.5 g (with I/O board)



Z-5111
Advanced Miniature CCD Scan Engine

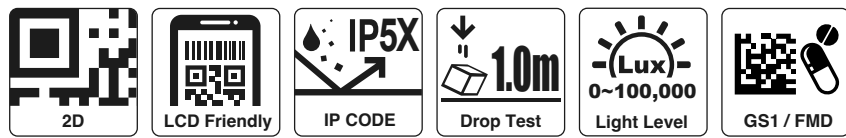


Optics	Linear CCD array, 32-bit MPU
DOF	4 mil : 60 - 120 mm 5 mil : 55 - 160 mm 7.5 mil : 50 - 210 mm 10 mil : 40 - 280 mm 13 mil : 50 - 330 mm 20 mil : 50 - 420 mm
Scan Rate	330 scans per second
Bar Width	Min. 0.1 mm (0.07 mm actually)
Input Voltage	3.3 VDC ± 10%
Op. Current	105 mA @ 3.3V (Typical)
Light Level	0 - 100,000 Lux (any lighting condition)
Dimension	11.8 H x 20.5 W x 22.8 D mm
Weight	12 g

HANDS-FREE SCANNERS



Z-8182
2D Image On-Counter Scanner



Optical System	1280 x 800 CMOS
Light Source	Illumination : 617nm LEDs
DOF	5 mil (Code 39) : 0 - 80 mm 13 mil (EAN13) : 0 - 220 mm
Min. Resolution	4 mil (Code 39)
Print Contrast	30% @ UPC/EAN 100%
Light Level	0 - 100,000 lux (fluorescence)
Input Voltage	5 VDC ± 10%
Op. Current	190 mA @ 5V (Typical)
Protection	IP5X
Dimensions	151.8 H x 152.2 W x 85.0 D mm
Weight	470 g



Z-8072 Ultra
2D Image Hands-Free Scanner



Optical System	1280 x 800 CMOS
Light Source	Illumination : 617nm LEDs
DOF	3 mil (Code 39) : 0 - 30 mm 5 mil (Code 39) : 0 - 50 mm 13 mil (EAN13) : 0 - 210 mm
Print Contrast	30% @ UPC/EAN 100%
Op. Current	220 mA @ 5V (Typical)
Dimensions	145.0 H x 80.0 W x 97.0 D mm
Weight	250 g

HANDS-FREE SCANNERS



Z-6170
Single-Laser Omnidirectional
Hands-Free Scanner



Optics	650 nm VLD
DOF	4 mil : 10 - 50 mm 5 mil : 0 - 90 mm 7.5 mil : 0 - 170 mm 10 mil : 0 - 220 mm 13 mil : 0 - 240 mm 20 mil : 0 - 300 mm
Scan Rate	1,400 scans per second (omnidirectional); 70 scans per second (single-line)
Scan Pattern	20 lines & 5 directions
Input Voltage	5 VDC ± 10%
Op. Current	250 mA @ 5V (Typical)
Light Level	Up to 4,500 Lux (fluorescence)
Dimension	165.1 H x 100.0 W x 118.0 D mm
Weight	400 g (without cable)



Z-6012 GT
2D Image Hands-Free Scanner



Optical System	1280 x 800 CMOS
Light Source	617 nm LED
DOF	4 mil (Code39) : 50 – 80 mm 5 mil (Code39) : 50 – 120 mm 13 mil (EAN 13) : 10 – 200 mm
Min. Resolution	4 mil (Code 39)
Print Contrast	30% @ UPC/EAN 100%
Light Level	Max. 100,000 Lux (Typical 80,000 Lux)
Op. Current	200 mA typical
Protection	IP54
Dimensions	110.9 x 70.0 x 65.8 mm (On fixed stand)
Weight	225 g (With stand)



HANDHELD SCANNERS



NEW

Z-3572
2D Image Handheld Scanner



Optical System	1280 x 1080 Dual-CMOS
Light Source	White / Red LED
DOF	Datamatrix (200mil) : 270mm - 7500 mm 5 mil (Code39) : 110 – 370 mm 13 mil (EAN) : 80 – 1750 mm
Min. Resolution	1D : ≥5 mil ; 2D : ≥10 mil
Light Level	0-100,000 Lux
Op. Current	260 mA (Typical)
Protection	IP54
Dimension	181 x 136 x 77mm
Weight	253g



NEW

Z-3502
2D Image Handheld Scanner



Optical System	1280 x 1080 CMOS
Light Source	White / Red / Blue LED
DOF	3 mil (Code39) : 40 – 100 mm 5 mil (Code39) : 40 – 150 mm 13 mil (EAN) : 50 – 250 mm
Min. Resolution	1D : ≥3 mil ; 2D : ≥5 mil
Light Level	0-100,000 Lux
Op. Current	260 mA (Typical)
Protection	IP54
Dimension	181 x 136 x 77mm
Weight	256g



HANDHELD SCANNERS



Z-3392 Plus
Gun-Type 2D Image Handheld Scanner



Optical System	1280 x 800 CMOS
Light Source	Aiming Element : 617 nm LED Illumination : white LED
DOF	5 mil (Code 39) : 50 - 150 mm 13 mil (EAN13) : 30 - 280 mm
Min. Resolution	4 mil (Code 39)
Print Contrast	30% @ UPC/EAN 100%
Light Level	0 - 100,000 lux (fluorescence)
Input Voltage	5 VDC ±10%
Op. Current	320 mA @ 5V (Typical)
Protection	IP42
Dimensions	163.0 H x 66.6 W x 82.4 D mm
Weight	128 g



Z-3272 Plus
Gun-Type 2D Image Handheld Scanner



Optical System	1280 x 800 CMOS
Light Source	Aiming Element : 617nm LED Illumination : 617 nm LED
DOF	3 mil (Code 39) : 50 - 80 mm 5 mil (Code 39) : 50 - 150 mm 13 mil (UPC/EAN) : 30 - 280 mm
Min. Resolution	3 mil (Code 39)
Print Contrast	30% @ UPC/EAN 100%
Light Level	0 - 100,000 lux (fluorescence)
Input Voltage	5 VDC ± 10%
Op. Current	230 mA @ 5V (Typical)
Protection	IP42
Dimensions	180.0 H x 70.0 W x 107.0 D mm
Weight	150 g



Z-3220 Plus
Linear Image Handheld Scanner



Optics	Linear CCD array
DOF	4 mil : 0 - 45 mm 5 mil : 0 - 70 mm 7.5 mil : 0 - 80 mm 10 mil : 0 - 90 mm 13 mil : 0 - 100 mm 20 mil : 0 - 120 mm
Scan Rate	250 scans per second
Input Voltage	5 VDC ± 10%
Op. Current	60 mA @ 5V (Typical)
Light Level	6,000 Lux (fluorescence)
Dimensions	161.5 H x 72.5 W x 55.2 D mm (device only)
Weight	91 g (device only)



HANDHELD SCANNERS



Z-3192BT Plus
Gun-Type Wireless 2D Image
Handheld Scanner



Optical System	1280 x 800 CMOS
Light Source	Aiming Element: 617 nm LED Illumination: white LED
DOF	5 mil (Code39) : 60 – 160 mm 13 mil (EAN 13) : 40 – 270 mm
Min. Resolution	4 mil (Code 39)
Print Contrast	30% @ UPC/EAN 100%
Light Level	0-100,000 Lux
Op. Current	500 mA charging
Dimensions	147 x 62 x 114.5 mm (device only)
Weight	197.5g (with Battery)
Cradle Model	RS-95
Dimensions	112.4mm x Ø 102.4mm
Weight	304g



Z-3190BT Plus
Gun-Type Wireless CCD Handheld Scanner



Optics	Linear CCD array
Scan Rate	330 scans per second
DOF	4 mil (Code39) : 40 – 100 mm 5 mil (Code39) : 40 – 140 mm 13 mil (Code39) : 30 – 330 mm
Min. Resolution	4 mil (Code 39)
Print Contrast	30% @ UPC/EAN 100%
Light Level	0 - 100,000 lux (fluorescence)
Op. Current	500 mA charging
Dimensions	147 x 62 x 114.5 mm (device only)
Weight	197g (with Battery)
Cradle Model	RS-95
Dimensions	112.4mm x Ø 102.4mm
Weight	304g



Z-3190
Gun-Type CCD Handheld Scanner



Optics	Linear CCD array
Scan Rate	330 scans per second
DOF	4 mil : 30 - 90 mm 7.5 mil : 10 - 190 mm 13 mil : 20 - 320 mm 20 mil : 10 - 360 mm
Min. Resolution	3 mil (Code 39)
Print Contrast	30% @ UPC/EAN 100%
Light Level	0 - 100,000 lux
Input Voltage	5 VDC ± 10%
Op. Current	100 mA @ 5V (Typical)
Dimensions	147.0 H x 62.0 W x 114.5 D mm
Weight	135 g (device only)

HANDHELD SCANNERS



Z-3102
2D Image Handheld Scanner



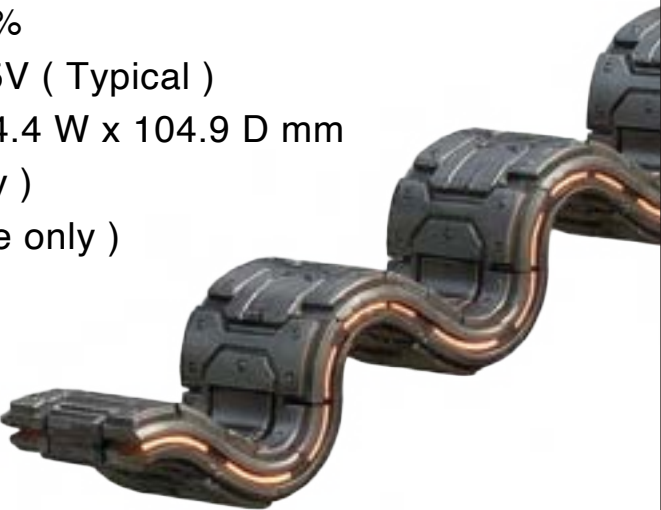
Optical System	1280 x 800 CMOS
Light Source	617 nm LED
DOF	4 mil (Code39) : 30 – 130 mm 5 mil (Code39) : 30 – 160 mm 7.5 mil (QR Code) : 30 – 125 mm 13 mil (EAN 13) : 30 – 300 mm
Min. Resolution	4 mil (Code 39)
Print Contrast	30% @ UPC/EAN 100%
Light Level	Max. 100,000 Lux
Op. Current	150 mA 5V typical
Dimensions	152.3 x 64.4 x 104.9 mm (device only)
Weight	86.5g



Z-3100
Advanced CCD Handheld Scanner



Optics	Linear CCD array
Scan Rate	330 scans per second
DOF	4 mil : 0 - 60 mm 5 mil : 0 - 100 mm 7.5 mil : 0 - 180 mm 10 mil : 0 - 220 mm 13 mil : 0 - 285 mm 20 mil : 0 - 350 mm
Light Level	0 - 100,000 lux
Input Voltage	5 VDC ± 10%
Op. Current	100 mA @ 5V (Typical)
Dimensions	152.3 H x 64.4 W x 104.9 D mm (device only)
Weight	84 g (device only)



KIOSK ^{NEW}



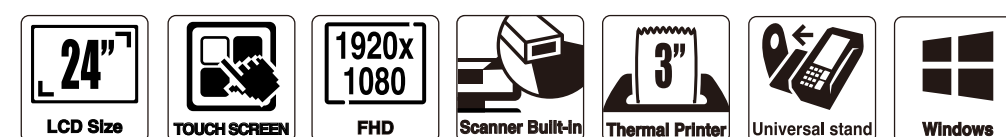
ZK-S2700
27" Self-service KIOSK



Processor	Intel J6412
Memory	8GB DDR4
Storage	128GB SSD
LCD	27" TFT-LCD
Display	1920x1080, 250nits
Touchscreen	P-CAP 10points multi Touch
Scanner	Built-in 1D/2D scanner
Printer	Built-in 3" thermal printer
OS	Without/Windows/Linux



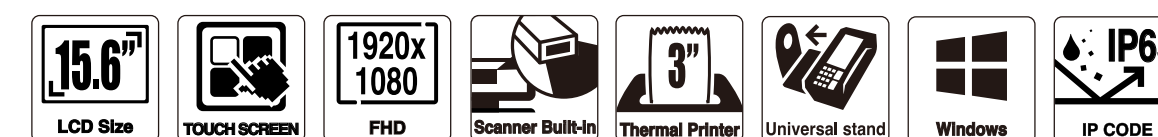
ZK-S2400
24" Self-service KIOSK



Processor	Intel J6412
Memory	8GB DDR4
Storage	128GB SSD
LCD	24" TFT-LCD
Display	1920x1080, 250nits
Touchscreen	P-CAP 10points multi Touch
Scanner	Built-in 1D/2D scanner
Printer	Built-in 3" thermal printer
OS	Without/Windows/Linux



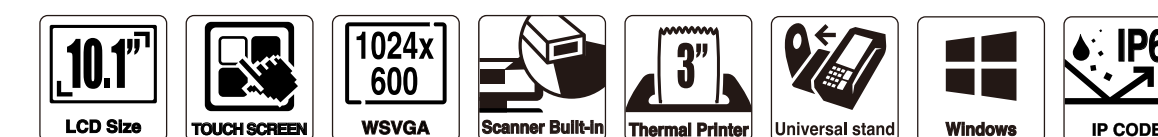
ZK-S1560
15.6" Self-service KIOSK



Processor	Intel J6412
Memory	8GB DDR4
Storage	128GB SSD
LCD	15.6" TFT-LCD
Display	1920x1080, 300nits
Touchscreen	P-CAP 10points multi Touch
Scanner	Built-in 1D/2D scanner
Printer	Built-in 3" thermal printer
OS	Without/Windows/Linux
Protection	IP65 Compliant Front Bezel



ZK-S1010
10.1" Self-service KIOSK



Processor	Intel J6412
Memory	8GB DDR4
Storage	128GB SSD
LCD	10.1" TFT-LCD
Display	1024x600 350nits
Touchscreen	P-CAP 10points multi Touch
Scanner	Built-in 1D/2D scanner
Printer	Built-in 3" thermal printer
OS	Without/Windows/Linux
Protection	IP65 Compliant Front Bezel