=SUZOHAPP



Your Trusted Hardware Partner!

Gaming & Sports Betting

≡SUZOH∧??

Who We Are

SUZOHAPP has served the gaming, amusement, and sport betting industries as a trusted hardware provider for over 60 years. SUZOHAPP is a worldwide company with operations in over 19 countries, with local contacts on each continent, local knowledge, engineering, offices, warehouses, and production sites.

We are experts in manufacturing, sourcing, specifying, and supplying hardware for the sport betting, gaming, and amusements industries with years of industry experience

A portfolio of over 50,000 components to keep operations running smoothly with replacement components and upgrades for their games and operations

Complete design and delivery service to help OEM's and platform developers bring new sport betting concepts to life

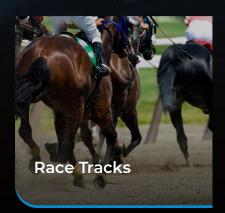
Full range of sport betting terminal types to maximise user
experience and meet the demands
for any setting from casino resort to sport
betting corner

Over 100 licenses

for manufacturing and distribution in the states and tribal regions with more in the works











Where We Came From

SUZOHAPP has grown rapidly to meet the needs of the markets and customers we serve, expanding the breadth of our product offering and service capability.

1986
HAPP Controls
is founded

1955
SUZO International
is founded

1988
New branch office
in Las Vegas, NV

2006SUZOHAPP acquires
Mazzco, Sadectronic
and Starpoint

2005SUZOHAPP acquires
Advanced Electronic Systems

2004SUZO and HAPP merge to form SUZOHAPP

Separation of cash handling business (PayComplete)

SUZOHAPP acquires Chinatec (now SUZOHAPP China)

2007

2012ACON Investments, L.L.C., acquires SUZOHAPP

2013SUZOHAPP acquires
Transcity Asia, Bill-to-Bill
and Currenza

2018 SUZOHAPP acquires

primary product lines of Coinco

2021

2015SUZOHAPP acquires
SCAN COIN

2014SUZOHAPP acquires
COMESTERO

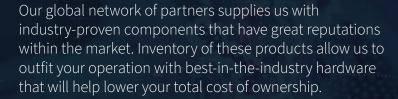
Why Choose Us



Industry Experts

We have successfully supported the gaming and sport betting industries for decades by creating custom designs and supplying quality, proven components. We are a knowledgeable partner eager to help you succeed, so let us ease the burden of hardware so you can focus on your platform.

Network & Inventory















Fast & Flexible

We are uniquely able to quickly customize to suit your needs. We are platform agnostic with an established supply chain allowing us to source components quickly. Our facilities are strategically located to ensure ease of access to markets and quality without sacrificing on price or expedient delivery.

Certifications & Experience

to get your product to market quickly.

We have been supporting the European sport betting industry for nearly 10 years and know the ins and outs of what customers need. We are competent at conforming to and certifying hardware to the following standards: CE, FCC, UKCA, CB, UL, GLI, and can assist in expediting the process



SUZOHAPP — The Single Source For All Your Hardware Needs!

A Complete Sport Betting Experience

Whether at the bar, behind the counter, or on the sports book floor, your customers can place their bets how they want, where they want.



If you're looking for a customized solution, leverage our experience and let us guide you through the decision-making process and enable you to make informed choices from the industry experts, removing the burden of designing your retail solution.

Regardless Of Venue, We Can Design A Solution For You!

From Concept to Delivery

We provide end-to-end service by determining the best solution for your customers, designing, prototyping, manufacturing, installing, and maintaining the terminal so that your concentration can stay where it should — on your game.

Select a design, we customize as desired with our cabinet partners, or create a completely new design.



Legislative Requirements And Safety

We are competent at conforming to and certifying hardware to the following standards:











Our Design Process

Evaluate your venue and end customer

Design options based on your needs

2

Review designs and provide high-quality component options

Design and manufacture a prototype

4

Review prototype and integrate software

Submit prototype for certification

6

Manufacture and install units

Maintain and update as needed

R&D Capabilities

Investment in research and development is a top priority. Global product management teams meet continuously to develop new products and custom solutions for customers' ever-changing needs.

Dedicated industrial, mechanical, and electrical engineering teams provide complete design, as well as component selection. SUZOHAPP utilizes contemporary modelling technology to produce accurate designs with competitive costs and short lead times.



Our Manufacturing

With many years of industry experience and production excellence, SUZOHAPP has developed innovative customer-centric engineering and manufacturing processes.

With manufacturing centres in the United States (Chicago and Las Vegas), Poland, and China, we can provide appropriately localized products from the place where quality and value meet.



Maintenance

Our extensive array of components, given the nature of our business, allows us to help you succeed.

- → All designs are made with longevity and prolonged use in mind
- → Distribution centres all over the world allow for quick and fast delivery, minimizing downtime and keeping your customers happy
- → We offer advanced parts replacement, ready to dispatch as needed
- → Simple designs make service easy

We are happy to design a service plan to suit your specific needs if desired.



COMPONENTS FOR GAMING MANUFACTURERS

- Monitors
- ► LED Displays
- ▶ Toppers
- Pushbuttons
- Signage& Computing Power
- Printers & Scanners
- Mechanical Devices

- ► Note Validators
- ► Coin Validators
- ▶ Hoppers
- Locks
- Solutions for Player Identification
- ▶ Terminals
- ► Spare Parts



HIGH QUALITY LCDs FOR GAMING, AMUSMENT, SPORTS BETTING, LOTTERY AND BINGO



High Quality LCDs

VisionPro™ is SUZOHAPP's premium line of LCDs using top panel brands and high-quality boards.

Fast customization is available for both OEMs and upgrades: 6.2" to 90", specialized panels and integration, customized metal, oversized glass, touchscreens and inputs. Send us your requirements, and we can design/build to match.



Touch and Non-Touch

- ► Standard sizes from 15" to 43", smaller and larger sizes available with fast customization
- ▶ Up to 4K resolution
- ▶ Choice of:
- 10+ touch Projected Capacitive (PCAP), true-flat, seamless edge-to-edge glass with thru-glass capability
- 3M Surface Capacitive (SCAP) touch technology
- Protective Glass
- ▶ Standard and wide viewing angle units available
- ► Common footprint for touch and non-touch variations
- ► DVI, VGA, HDMI and DisplayPort input options
- ► Economically priced
- ► Models also available with LEDs surrounding the display with colour

LED-Framed Monitors

- ▶ Rigid high-quality PCB-mounted LEDs, no adhesive strips, no hotspots, no dark corners
- ▶ True-flat, black closed-frame designs
- ► 21.5"/ 23.8": 250 cd/m², 1000:1 27": 300 cd/m², 3000:1 32": 400 cd/m², 1200:1 32" (P): 500cd/m², 3000:1 43": 450 cd/m², 1100:1 43" 4K UHD: 500 cd/m², 4000:1
- ► FHD 1920x1080, WVA 178° x 178° for landscape or portrait usage (43" 4K UHD 3840x2160)
- ▶ 10-touch PCAP for Windows 7 or later, Linux 4.4 or later
- ► Dual-line LEDs in Addressable versions
- ► VGA + DVI standard, HDMI and DisplayPort available (4K UHD: HDMI/DP only)
- ▶ 12VDC (24VDC for 32", 43"), optional 100-240V AC brick
- ▶ Operating temperature: 0-50°C (32-122°F)
- ► FCC, CE, RoHS
- ▶ Drawings and CAD files available on request
- ► Customization possible



FRONT DESIGN

For mounting monitor flush inside your cabinet.



EDGE DESIGN

For front and edge illumination, external use.



HALO DESIGN

For floating monitor outside your cabinet. Surround colour in front, side, rear for a halo effect.

HIGH QUALITY LCDs FOR GAMING, AMUSMENT, SPORTS BETTING, LOTTERY AND BINGO

Ell Touch Solutions

World-Class Quality, Global Approvals and Support Distributed globally by SUZOHAPP

Elo is the world leader in commercial touch with over 20 million installations, half a million units per year, nearly 2,000 units per day. And SUZOHAPP is the world's largest distributor of this premium open frame product line.

Engineered and designed specifically for the demanding requirements of the gaming industry, the 90-Series open-frame displays feature integrated touch technology rather than glued-on additions. Select from a wide range of sizes from 10" to 27" to fit in any gaming environment. Elo products extend the range to 70".

- ► Next generation Projected Capacitive (PCAP) 2GS technology (2 glass solution)
- ► Highest optical quality and longevity as no plastic films, no metal mesh
- ▶ 10-touch true-flat solution
- ► Thru-glass mode which operates through up to 6 mm customer-supplied glass
- ► Common mechanical and electrical components across the line for easy design-in, compliance testing, service, and transition between sizes
- ► HDMI, DisplayPort, VGA inputs, with common port design across all units
- ▶ Built-in watertight edge seal

- ▶ Magnetic tethered OSD control box
- ▶ Unique field-replaceable touchscreen glass design
- ▶ Global agency approvals: United States UL, FCC; Europe CE TÜV; Australia RCM; Canada cUL, IC; China CCC; Japan VCCI; Korea KCC; Mexico CoC; Taiwan BSMI; International CB; RoHS
- ▶ Passes UL and IK07 Ball Drop tests
- ▶ 50,000 hour demonstrated MTBF
- ▶ 3-year standard global warranty



10" to 27" Desktop Touchmonitors, All-in-Ones and Interactive Digital Signage from 10" to 65"

SUZOHAPP also distributes the complete line of Elo Touch Solution products — seen in cashier cages, sports betting outlets, and on the gaming floors in top casinos around the world. Monitors and All-in-Ones for front/back office, interactive digital signage, bingo, lottery, sports betting, player tracking, loyalty systems and pos.





COMPATIBILITY
WITH ALL POPULAR
VERTICAL GAMES!



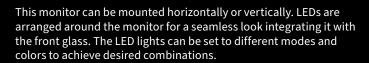


This monitor can be mounted horizontally or vertically. It has a curve design to add extra wow to your game cabinet. LEDs are arranged around the monitor for a seamless look integrating it with the front glass. The LED lights can be set to different modes and colors to achieve desired combinations.

Features

- Front facing LED lights
- Serial & USB touchscreen connections
- VGA and HDMI video inputs
- Total dimensions: 40" tall x 24" wide
- LCD inner display dimensions: 36 3/4" tall x 20 3/4" wide
- Displays bright & vibrant colors
- Includes VGA, Serial & USB cables for video & touchscreen hook-ups
- Monitors have a high-definition native resolution of 1920 x 1080 @60hz
- Monitors are capable of 4k resolution
- 3 year warranty
- No external controller needed





Features

- LED display
- Front facing LED lights
- Serial & USB touchscreen connections
- VGA, DVI and HDMI video inputs
- Total dimensions: 39 7/8" tall x 23 5/8" wide
- LCD inner display dimensions: 37" tall x 20 3/4" wide
- Displays bright & vibrant colors
- Includes VGA, Serial & USB cables for video & touchscreen hook-ups
- Monitors have a high-definition native resolution of 1920 x 1080 @60hz
- Monitors are capable of 4k resolution
- 3 year warranty
- No external controller needed





This monitor can be mounted horizontally or vertically. LEDs are arranged around the monitor for a seamless look integrating it with the front glass. The LED lights can be set to different modes and colors to achieve desired combinations.

Features

- LED display
- Front facing LED lights
- Serial & USB touchscreen connections
- VGA, DVI and HDMI video inputs
- Total dimensions: 31 3/4" tall x 19 5/8" wide
- LCD inner display dimensions: 27 1/2" tall x 15 1/4" wide
- Displays bright & vibrant colors
- Includes VGA, Serial & USB cables for video & touchscreen hook-ups
- Includes LCD power supply & power cord
- Monitors have a high-definition native resolution of 1920 x 1080 @60hz
- 3 year warranty
- No external controller needed

V-Poster

Digital Signage Solution

Maximize ROI with Mobile Technology

Don't tie down your investment with fixed location assets. The V-Poster is the perfect digital signage solution for ever changing spaces with sustainability in mind.

Built to Last

Glue-On-Board (GOB): This innovative technology seals the LED's with transparent epoxy glue. This protects the LED from any harmful accidents by making it anti-collision, waterproof, anti-UV and dust proof. The lifespan of the LED is also extended due to improved heat dissipation. A must in heavy footfall areas!



Three Mounting Methods AEGIS MOBILE HANGING WALL











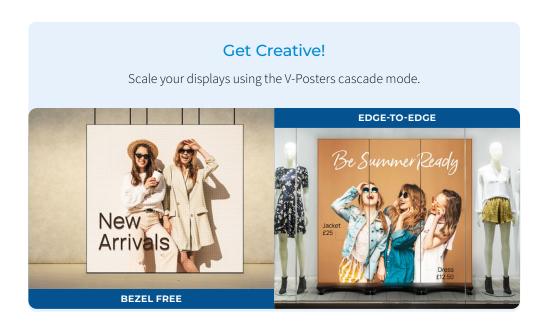




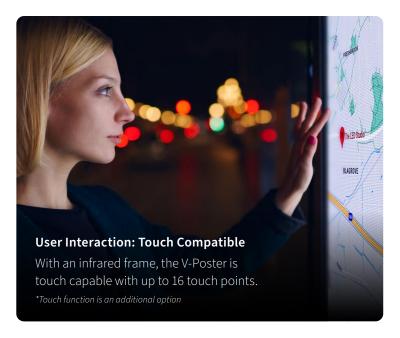


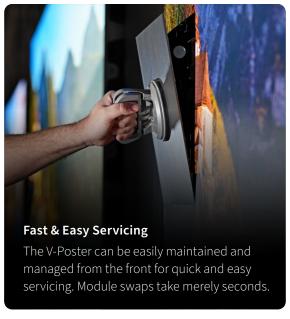












Multidevice Compatible



нрмі





WIFI



AUDIO

SENSOR

Cloud CMS

With a cloud based CMS system the V-Poster is a true all-in-one solution, allowing for seamless playback and fast content roleouts across multiple locations.

55" Edge

The Ultimate Videowall Replacement

55" of Spectacular Engineering

The 55" Edge has been designed as a cost effective, more energy efficient, longer lasting alternative to the popular 55" LCD video wall panel. Specifying and installation have never been easier due to the familiar 55" size and multiple mounting options. Move away from LCD bezels and embrace a true large format display.

Colour Accuracy

Colours make up reality. Colour enhancing LED technology with superior colour purity and a wide colour gamut produce vibrant and natural colours for eye-catching, true to life imagery.





Fixed Resolutions & Custom Sizes

The 55" EDGE can achieve fixed resolution: 1080p, 4k UHD, 8K or custom resolutions, shapes and sizes.









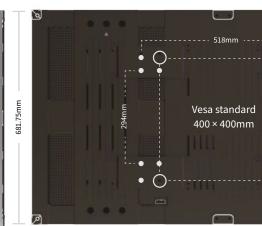


Two Mounting Methods

Having the freedom to attach a LED display to an existing mounting solution can make a big difference. The industry standard VESA or wall mounting options enables the EDGE platform to be attached in a matter of seconds for quick and easy mounting.



Wall Mounts





Modular Formation

Customise the screen size and shape to fit your desired environment.



Lasting Performance

A lifespan of 100,000 hours with robust durability gives you lasting peace of mind.



Slim Design

A sleek, slim form factor with a needing no mounting kit allows for an easy and seamless integration into any environment.



Easy Maintenance

Direct front access to critical components allows for quick, convenient maintenance.



Glue-On-Board (GOB) Optional Upgrade

Transparent epoxy glue, protects the LED from any harmful accidents.



Light Weight

On average up to 4kg lighter per cabinet vs LCD.



Seamless Black Surface

Aesthetically complement any luxury space with a sleek, black surface and bezel-less look.

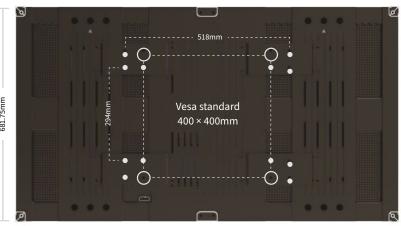


Shock Resistance Technology

A shock-resistant surface protects against dust, water and everyday impact.



180° Viewing Angles



1212mm

SH1950 Video Topper

19.5" Wide Viewing Angle LCD

The SH1950 Video Topper consists of a 19.5" wide viewing angle panel, VGA, DVI, DP, HDMI and 12V inputs, and is equipped with a black bezel. All 4 sides have RGB LED illumination, covered by an acrylic front plate. FHD input resolution is supported for compatibility with most media players.

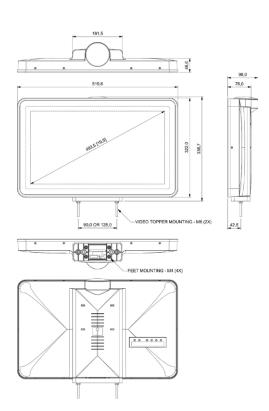
The SH1950 Video Topper is manufactured in SUZOHAPP China, in accordance with the highest standards. Final assembly, as well as customizations, are done at our local production facilities in the USA and Poland. Various mounting options are available for popular slot machines, and others can be customized.

The SH1950 Video Topper is a great addition to every cabinet!

Features

- Optional classic chrome mini tower light with 2 or 3 lamps
- RGB LED illumination, covered by an acrylic front plate
- Optional without LCD to be used as a light box
- RGB optional with or without controller
- VGA, DVI, DP or HDMI connection
- Black feet included
- Optional external media player available
- CE, FCC and UL Certified

Contact your sales representative for more options and customization possibilities





Technical Specifications

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Size (L x H x D)	519.6 x 338.7 x 98 mm	
Screen Diagonal	19.5"	
Native LCD Resolution	1600 x 900	
Supported Resolutions	1024 x 768, 1280 x 720, 1366 x 768, 1600 x 900, FHD 1920 x 1080 (downscaled)	
Operating Environment	0-50°C, 10-90% RH	
Viewing Angle	89/89/89/89 (Typ.)(CR≥10)	
Brightness	250 cd/m² (Typ.)	
Contrast Ratio	1000:1 (Typ.) (TM)	
Response Time	14 (Typ.)(G to G)	
Colors	16.7M	

∑SUZOH∧?? PUSHBUTTONS

STC Pushbuttons



- ▶ STC Pushbuttons with Subminiature Microswitch
- ▶ Designed to resist spills and sticking, for high reliability and long life, tested for 10 million+ cycles
- Standard supplied with spacer bezel for mounting on top or in the panel (low-profile)
- ► Full 0.5mm thickness on lamp terminals holds lamp or LED connectors securely
- ► For use with 5mm wedge base lamps or LEDs (not included)
- ► Standard fitted with Cherry DB5 style microswitch with 2.8mm terminals for easy connection
- ► Available in 6 different colours: Red, Orange, Yellow, Green, Blue, White

Chrome-Luminescent Pushbuttons

- Polished chrome-plated button bezel with translucent colour washer moulded in bezel to provide edge luminescent effect
- ► Locking nut has special design to allow it to fit over "Snap-Tab" feature with microswitch installed
- ► Ease & flexibility of mounting to metal control panels using either the "Snap-Tab" or traditional locking nut
- ► Switch pre-assembled on button for reduced assembly time into control panel
- ► Subminiature microswitch provides additional clearance room under control panel
- ▶ Grounded for ESD protection
- ▶ Polycarbonate lens for optical clarity and durability
- ➤ Switch snaps on bezel of button eliminating the need to have separate lamp holder
- ► Available in several colour combinations of button & luminescent effect
- ► Additional customization also available













Design Your Casino Chrome-Luminescent Pushbutton with the Matrix below:



S = Size	C = Lens Colour	L = Luminescent Effect
A = Large Square	2 = Red	2 = Red
B = Small Square	3 = Amber (Orange)	3 = Amber (Orange)
C = Large Rectangle	4 = Yellow	4 = Yellow
D = Small Rectangle	5 = Green	5 = Green
E = Large Round	6 = Blue	6 = Blue
F = Small Round	9 = White	9 = White

Nut Sold Separately, Part number RBM-K730-001

Interactive Digital Signage

Create Immersive Interactive Experiences

Elo is the world leader in commercial touch with over 20 million installations, half a million units per year, nearly 2,000 units per day. SUZOHAPP globally distributes the complete line of Elo Touch Solution products seen in cashier cages, sports betting outlets, and on the gaming floors in top casinos around the world.

- ▶ PCAP 40 Touch with Palm Rejection and Touch Thru capability
- ▶ Supports up to 6mm glass/3mm plastic with up to 2 touches. Supports gloves up to 1.4mm
- ▶ 2x HDCP-capable HDMI on Type A connector; DisplayPort 1.2 connector; USB-C connector
- ▶ 50,000 hour demonstrated MTBF
- 3-year standard global warranty
- Regulatory approvals and declarations: UL 62368-1; FCC (US); cUL, IC (Canada);
 CB (International safety); (IEC/EN60950-1+IEC/EN62368-1); CE (Europe); VCCI (Japan);
 RCM (Australia); CCC, China RoHS (China); EAC (Russia); NOM (Mexico)
- ▶ Passes UL and IK07 Ball Drop tests
- Sleek, slim design



Add Windows Computing Power with Ease

The commercial-grade computer module transforms the touchscreen monitors into powerful, all-in-one, touch computer platforms with compatibility with most content-management servers.



Add Android Computing to Elo Touchscreens

Powered by EloView®, content delivery and remote management of your entire network has never been easier. The low-power, solid-state, fanless computing solution offers everything needed in an affordable, compact design.



BluMax™

Sports Betting / Kiosk PC Platform



BluMax[™] industrial PC platform, ideal for Sports Betting Terminals and other kiosks. The BluMax[™] features a 10th generation 8-core Intel[®] i3 processor packaged in a compact chassis of only 200 x 200 x 36 mm.

BluMax has a long lifecycle — 7+ years no changes — separating it from frequently changing consumer PCs that require mechanical changes, product re-qualifications, governmental and jurisdictional re-certifications, and compatible field replacement units.

Features include LED lighting for an impressive demonstration of your kiosk internals, easy/secure mounting bracket, and a practical header that allows the power button to be relocated anywhere in the kiosk, including an external key-switch. Windows and Linux compatible.

Customization options including other processors, RAM/storage, and enclosure options.



Technical Specifications

Processor	Intel® Core™ 10th generation i3-10100TE processor 2.30GHz (4 core/8 threads, up to 3.6GHz, 6M cache)		
Chipset	Intel® H420E		
Socket	LGA1200 for Intel® Core™ i7/i5/i3/Celeron®, up to 65W		
Graphics	Intel® UHD Graphics 630, 4K support		
Video Output	1x HDMI 1.4a and 1x DP++ 1.2 -or- 2x DP++ (passive/straight-through cable adapters available to single-link HDMI or DVI monitors) DP resolution up to 4096 x 2304 @ 60Hz HDMI resolution up to 3840 x 2160 @ 24Hz		
Memory (RAM)	8GB, expandable to 16 GB (1 of 2 260-pin DDR4 SO-DIMM sockets) Data transfer rates up to 2400/2666/2933 MT/s 64 GB* Intel® Core i3/Pentium®/Celeron® CPUs support up to 32 GB (16 GB per DIMM) *Intel® Core i5/i7/i9 CPUs support up to 64 GB (32 GB per DIMM) Vertical type memory socket (low profile)		
Storage	128GB SSD (2242/M.2 SATA)		
TPM	TPM2.0 SPI interface Infineon SLB9670VQ2.0 / Nuvoton NPCT750 (option)		
USB Ports	6x USB 3.2 Gen1		
COM Ports	1x DB9 COM port		
LAN	1x Intel® Gigabit Ethernet PHY I219LM -or- 1x Realtek GLAN RTL-8119I-CG (depending on chip availability)		
Audio	Line-out / Mic-in 3.5mm combo audio jack Realtek® ALC897 HD codec (colay ALC888S)		
Power	12V/120W (power supply not included) DC Jack-3 5.5×2.5mm w/ locking connector		
Dimensions (WxDxH)	200 x 200 x 36 mm / 7.9" x 7.9" x 1.5"		
Case	Aluminum chassis painted black with mounting plate and internal blue LEDs		
Power Button	Header for remote (key-switch) power button		
Temperature	Operating: 0~40°C / Storage: -20~60°C		
Humidity	Operating: 10%~90%		
Weight	1.9 kg (unpackaged)		
Warranty	2 years		
Lifecycle	7 years minimum ("Comet Lake", launched in 2020)		
Certifications	CE, FCC, UKCA (pending)		

Kiosk / Self-Service Printers





MODUS3

54-82.5 mm Small Footprint Kiosk Printer

This ultra-compact thermal printer meets the needs of slim-line kiosks without sacrificing features or functionality. The MODUS3 combines all the benefits of a self-service printer in a compact package (116Lx50Dx62H mm).

NEW New Options

- Paper roll support up to 150 mm (6")
- Presenter supporting a 30 cm ticket loop at 200 mm/s.
- The printer remains ultra compact with an overall depth of 85 mm.



TG02H

Extremely Compact and Versatile 57 mm Ticket Printer

Designed for easy installation and panel mounting, the TG02H is an extremely compact (129Lx120Hx100W mm) and versatile ticket printer and includes a patented anti-jamming system.



TG2460HIII

60 mm Ticket / Receipt Printer

60 mm receipt and ticket printer with a metal frame and paper mouth that includes a blocking system to prevent insertion of items. Available in cutter and tear-off versions, 12V version (TG1260), and with illuminated plastic bezel.



TG2480HIII

80 mm Ticket / Receipt Printer

80 mm receipt and ticket printer with a metal frame, static presenter, and an exclusive patented antijamming system.



VKP80III

50-82.5 mm Ticket / Receipt Printer

The worldwide best seller in the kiosk industry!
Compact 50 to 82.5 mm ticket and receipt printer (143,5Lx76,4Hx116W mm) with fast printing and low TCO (Total Cost of Ownership).
Available with shutter for outdoor use to prevent introduction of objects.

PRINTERS & SCANNERS

Lottery & Sports Betting





KUBE II LOTTERY

Printer for Lottery, Gaming and Betting

KUBE II LOTTERY is a high-performance thermal printer suitable for applications in the lottery and betting sectors. It features high-quality printing combined with sturdiness and reliability, along with stacking capabilities.



KUBE II SCANNER

Printer for Lottery, Gaming and Betting

KUBF II SCANNER is the combination of a high-performance scanner for cards and betting slips, and a high-speed thermal printer with a stacker unit. This printer features embedded OMR and barcode reading capabilities for coupons and betting slips and also includes a ticket void feature. A complete solution all in one product!



K3 LOTTERY

Printer for Lottery, Gaming and Betting

K3 LOTTERY is the new Custom printing solution designed for the lottery, gaming and betting sectors, with an 80 to 82.5 mm paper width and 203 mm roll diameter to ensure exceptional functionality. It features a motorized stacker with a capacity of up to 100 tickets and includes our patented anti-jamming and auto-recovery system.



A6 SCANNER

A6 Document and **Check Color Scanner**

Front/back A6 color scanner guarantees high performance (400 mm/s) with a resolution up to 300 dpi, along with the option of integrating with third-party applications. It is supported by an MICR head for scanning CMC7 magnetic strips on international checks and it has the smallest footprint in its class (115Lx76.1Hx166.5W mm), which enables it to be used for access control systems.

Hand Scanner



HR3280 Marlin II

The ideal handheld solution for scan-intensive use in retail and logistics

The HR3280 Marlin II is a handheld barcode scanning powerhouse. No matter what type of barcode is presented, the megapixel camera allows users to scan 1D and 2D barcodes, including very small and high resolution codes, with impressive speed and ease.

Supports USB and serial interfaces, in corded or cordless models, and with optional cradle.















Stationary Scanners





FM3080

Impressive short-range scanning capabilities combined with customization

Prepared for integration in your kiosk or counter, the FM3080 Hind combines performance and customization. The large scan window is optimized for short range reading of barcodes from a mobile phone or paper, even placed directly on the glass. With 4 color options available, the FM3080 Hind can be easily programmed to indicate a successful read or to match your brand.

















FM3051/FM3056 Grouper II

Plug-and-play simplicity enhancing your experience right from the start

With its snappy barcode reading of virtually any 1D or 2D barcode, the FM30 Grouper II Series is the perfect response to the trend of barcodes moving from paper to the screen. Built to read from contemporary LCD widescreen devices, the fixed scanner is ideal for mobile phone applications like loyalty programs and ticket validation. The form factor and small footprint of the FM30 Grouper II Series makes it easy to integrate into a kiosk. Also available in flush mount: the FM3056 Grouper II.













Newland scanners are supported by *EasySet* – a software tool for configuration, cloning setup for fast deployments, firmware upgrades, imaging functions, and includes a barcode generator.

Stationary Scanners





FM430 Barracuda

Read barcodes from short or long range with this compact scanner for when less space is available

The new FM430 Barracuda is Newland's most aggressive and efficient fixed mount scanner to date, making it a strong allaround solution. It's equipped with a megapixel camera that scans virtually any 1D and 2D barcode with impressive speed and ease. On top of that, its programming, IR sensor and light sensor help keep users moving, even in low light conditions. The combination of these features makes the device a leader in its class.























FM100

Reading performance reaches and exceeds global standards, advanced CCD scan engine

Designed for OEM applications, this high-performance fixed scan engine can easily be integrated into various solutions such as kiosks, ticketing machines, (reverse) vending machines and many more. CCD technology means no laser, mirror or moving parts for increased durability.











FR27

Latest technology, compact design, CPU-based scanner

Armed with Newland's latest-generation UIMG® technology, the FR27 can decode poor quality soiled or wrinkled barcodes with ease, even on a screen covered with protective film. Its exceptional motion tolerance and large FOV enhance the user experience. Fits on a narrow desk or shelf when space is at a premium.



FR21 Neon

Ideal desktop scanner for mobile payment, customer loyalty and ticket verification

The FR21 Neon was built to create an optimal customer experience at the POS. It scans quickly and easily, even for the most inexperienced user, making it an ideal solution for applications like mobile payment, customer loyalty, cashback, and ticket verification "Scan here" circle customizable with any sticker.

























Newland scanners are supported by EasySet – a software tool for configuration, cloning setup for fast deployments, firmware upgrades, imaging functions, and includes a barcode generator.

Compact RGB Handle Mechanism

Features

- Ultra low-profile design allows for external mounting on cabinet and provides increased space inside of the cabinet
- 3 versions including Standard, USB and SPI, with RGB lighting or no lighting
- Variety of handle rod colors including;
 Black, Chrome, Black Chrome, Gold or White
- Selection of 2 shapes of handle rod, standard or straight
- Lock-out Solenoid coil, in choice of 12VDC or 24VDC, providing a lock that prevents handle being pulled
- 2 choices of mounting stud, Metric or US standard
- Standard version includes set LED patterns and colors, or no lighting
- USB version provides control of LED pattern options, intensity and pattern speed, via a simple command set, or no lighting
- SPI version provides host control of LED lighting, or no lighting
- Easily removed for improved serviceability
- Ruggedized die cast design to provide long-term performance
- RGB attract mode on handle mechanism cover and ball, to attract additional attention



Reel Mechanisms

Custom Engineered Reel Mechanisms to Fit the Needs of Our Customers





NV9 Spectral

The Most Technically Advanced Note Validator in its Class



- Unrivalled genuine note detection & protection against fraudulent notes
- Outstanding fraud protection
- ► Stained note detection
- ► Full note high resolution imaging 1.28 million data points
- ► Faster note to note processing
- Optical and mechanical anti-strimming technology
- ► Easy maintenance, free firmware updates
- ► Modular design recycler or ticket printer available
- Various cashbox and bezel options

NV10 USB+

Compact Stackerless Banknote Validator



- ▶ One build standard for global applications
- Lowest cost of ownership
- Enhanced sensing technology
- ▶ Proven field reliability
- ► Compact stackerless design
- Over 100 different world currencies accepted
- ► Simple integration
- ► Future proof quick & easy updates via USB, PC, or handheld programmer

NV200 Spectral

100% Note Image Capture



- ▶ 100% note image capture 4.8 million data points
- Stained note detection
- ▶ Modular design recycler or ticket printer available
- ▶ 99%+ first time acceptance of new and street-grade notes
- ▶ 2 second note-to-note processing
- Anti-strimming/anti-fishing/anti-stringing technology



27 ■SUZOH↑PP COIN VALIDATORS

RM5 HD

Electronic Coin Validator



The RM5 HD coin validator has set new reference standards in coin validation. Through 5 different sensors and 10 recognition parameters, it ensures a high level of recognition and discrimination of valid and counterfeit coins with an unprecedented speed of up to 6 coins per second.

- ► High-discrimination system based on 10 different parameters
- ▶ 5-sensor identification technology
- ▶ High acceptance speed: up to 6 coins per second
- ▶ Advanced electronic and mechanical anti-fraud system
- ▶ Indicator LED
- ► Accessories include front plates, sorters, and funnels
- ▶ Compatible with all solutions available in the market

RM5 Evolution

Coin Validator with 6 Mechanical Configurations



The Comestero RM5 Evolution coin validator is known worldwide for its quality and reliability. Its electronics combines extraordinary selectivity with extreme programming versatility: the Cloning system allows the transfer of the configuration parameters from one sample coin validator to another. Accessories include front plates, sorters, and funnels.

- ➤ 3 pairs of inductive sensors used to process 6 different parameters
- ▶ 3 pairs of optical sensors to determine coin's diameter
- ▶ A mechanical and an electronic anti-fishing device
- ► Automatic optical sensor compensation system
- ▶ Identification channels: up to 59 and 6 in Self-Prog mode
- ▶ Open collector outputs
- ► Accessories include front plates, sorters, and funnels
- ▶ Compatible with all solutions available in the market

Veloce

Hi-Speed Coin Acceptor



Fast and reliable coin acceptance.

- ▶ High acceptance speed: up to 10 coins per second
- ▶ 16 programmable channels
- ► Precise measurement of the diameter thanks to the matrix system of 12 IR LEDs with interpolation of values
- ▶ Double digital magnetic sensor (hall)
- Large inductive sensor that allows uniform readings of the alloy as the coins pass through each position
- ► UV sensor for discrimination between coins with copper or nickel alloy
- ▶ Optical control of the coin collection and exit area
- ▶ Error diagnosis displayed by the 3 control LEDs
- ▶ Standard ccTalk interface
- ▶ Programming and updating via PC program (with Win7 to 11) with any USB-ccTalk interface

Cube Hopper MK2

The Ideal Coin or Token Dispensing Unit for Any Machines



- ► Standard 350 coins capacity (ø24 mm)
- ► Coin cup extensions available (optional) which increase capacity up to average 400 coins per extension (ø24 mm), maximum 2 extensions up to 25.6 mm
- ► High payout speed dispensing: up to 400 coins per minute
- ► A low-level detection integrated into connector as standard

Flow

Innovative Through-hole Hopper



- ► Compatible with other hoppers already on the market
- Available with three different coin bowls: medium. intermediate, large
- ▶ Integrated fall tube for simple dual hopper cabinet construction
- ▶ Parallel interface and 10-pin connector
- ▶ Low level sensor and anti-jam feature
- ► High payout speed of about 7 coins per second
- ▶ Reliable through-hole coin disk design no external wires run for level sensors
- ► ccTalk version available in encrypted and non-encrypted mode
- ▶ 12-24V power supply

Evolution Hopper

High Dispensing Speed and Reliability



- ▶ Board easily accessible from outside and extractable for facilitating maintenance
- ▶ Equipped with a built-in agitator to prevent coin jams, as well as with additional electronic anti-jam electronics
- ▶ Interfaces: standard, parallel or ccTalk serial. The latter guarantees excellent security and diagnostics management
- DC motor, driven by an electronic actuator, which reduces friction and noise
- ▶ The standard version can be easily transformed into the adjoining version by simply removing the cover, which is fastened by two screws, and moving the connector to the new position
- ► High quality materials for long trouble-free operations

≣SUZOH∧PP LOCKS

ASSA

Desmo Casino Locks



The Assa Desmo is a patented lock construction based on direct drive pins (no spring operation) making it particularly suitable for many operations in dirty and hostile environments. False cuts on the pins provide resistance to any currently known method of picking.

- 8-pin lock combined with two strong side bars
- Large key made of nickel silver for lasting durability and comfortable operation
- Standard 90 degrees operation and key removable in locked position
- Various collars available to adjust any mounting depth
- Standard supplied with 32 mm cam, other sizes and models available
- Key-different locks are supplied with 2 keys per lock



Keyed-Different/Alike Locks

- 10-pin operation
- Die-cast housing with chrome finish
- Large key provides good grip
- Nickel silver keys (extra strong, less wear)
- Camlocks available in 3 lengths, 16mm (5/8"), 22.3mm (7/8") and 28.6mm (1-1/8")
- Keyed-different locks are supplied with 2 keys per lock
- Available as cam or switch lock, keyed-different or keyed-alike





Round Key Locks

- 7-pin tumbler lock, large number of keycodes
- Available as cam or switch lock, keyed-different and keyed-alike
- Sets possible of multiple locks and keys
- Chrome finish housing, round chrome-plated key
- Different lock exits available, or combined sets
- Colored key covers with matching rings and tags available





Venia Security Switchlocks DPST

- 14 pin system, 10 pins on the flat key side and 2 side pins on each side
- Brass housing with high quality spindle and bright chrome finish
- A security collar is included with every Venia lock to prevent any attempts to turn the lock with tools
- Key made of nickel silver assures longer lifetime and trouble-free operation
- Only available as key different
- Connection by 4 solder terminals
- 2 different switch configurations: pos. 1-3 on/off, pos. 2-4 off/on



Venia Security Camlocks

- 14pin system, 10 pins on the flat key side and 2 side pins on each side
- Brass housing with high quality spindle and bright chrome finish
- A security collar is included with every Venia lock to prevent any attempts to turn the lock with tools
- Key made of nickel silver assures longer lifetime and trouble-free operation
- \bullet Camlocks are available in 3 different lengths: 16 mm (5/8"), 22.3 mm (7/8") and 28.6 mm (1-1/8")
- Standard 2 position 32 mm cam included

Venia Security Switchlocks

- 14 pin system, 10 pins on the flat keyside and 2 side pins on each side
- Brass housing with high quality spindle and bright chrome finish
- A security collar is included with every Venia lock to prevent any attempts to turn the lock with tools
- Key made of nickel silver assures longer lifetime and trouble-free operation
- Venia switchlocks are available with and without automatic key return



Venia Keys

- Venia keys can only be ordered through SUZOHAPP
- Key made of nickel silver assures longer lifetime and trouble-free operation
- •These keys can be cut to your specific key code





AGE 300 ID Card Reader

The AGE 300 reads magnetic, contact chip, and contactless ID cards. It can extract all data necessary to assess a user's birthdate and other relevant information. By inserting a card it is possible to read up to 3 magnetic tracks, asynchronous contact chip, and multiple protocol contactless chip.

- Smart card and service card reader with manual insertion
- ► Magnetic stripe (ISO-7811, T=0 or T=1 protocol)
- Asynchronous contact chip (ISO-7816)
- Chip without contacts (NFC Forum compliant)
- Supports USB, Serial and ccTalk protocols
- Smart card reader:300.000 operations
- Magnetic head reader: 600.000 operations
- Bootloader
- Integrated antenna
- Multiple colour RGB LED in the bezel



ICU - Leading Biometric Solutions

ICU Intelligent Identification offers age verification and several facial-recognition based biometric access control functions.





ICU Pro

Perform age verification & facial recognition-based functions on a machine or control entry points (e.g. Electronic Gates, Barriers, Restricted Premises)

- No PC required
- Connect up to two USB cameras
- Directly control relays or send software commands
- All functions included as standard
- Spoof detection
- One-off cost, no recurring charges



ICU Lite

Add age verification & facial recognition-based functions to a machine (e.g. Self Checkouts, Betting Terminals)

- Plug directly into PC USB port
- Connect one USB camera
- Easily send software commands
- Choice of two functions*
- Spoof detection
- One-off cost, no recurring charges

*Option to add more functions (additional fees apply)

Dual Change Cashless

Notes and Coins or Tokens Dispenser

- ▶ Designed to accept contactless payment cards (debit or credit)* and banknotes to dispense notes and coins or tokens*
- Notes and coins or tokens dispensed automatically or manually
- Machine cloning function
- Export accounting data and import configuration parameters via 32-bit CPU with SD-Card
- ► Internal on/off controls to prevent tampering
- Pivoting door to facilitate dispenser loading and cashbox removal operations
- Installation: wall mounted, countertop and free standing on a cabinet base

Benefits

- · Structural strength, reinforced closing mechanisms and ccTalk protocol make it one of the most secure change machines available
- Flexible token dispensing options makes the machine user-friendly
- Upgradable to support banknotes

Installed peripherals

- Debit or credit card reader
- Evolution hoppers with extensions
- NV11 or NV10 banknote readers

Tools

Multiconfig configuration software

Optional accessories

- Cabinet base
- Reprogrammable lock
- Token collection cups (max h 120 mm - Ø 145 mm)
- Cup dispensing tube
- Steel protective bars
- Customized front plate

Technical Specifications

	Change machine	Change machine w/ Cabinet base
Dimensions (LxHxW)	400 x 805 x 409 mm	400 x 1,620 x 409 mm
Weight	43 Kg	60 Kg
Power supply	230 Vac - 50 Hz	230 Vac - 50 Hz
Power consumption	60 W max	60 W max
Operating temperature	0°C ÷ 50 °C	0°C ÷ 50 °C



^{*}Dependent on local legislation







We supply a complete range of component replacements and upgrades for all type of betting terminals











SPORTS BETTING
ECOSYSTEM

- ► SBT-1000
- ► SBT-2000
- ► SBT-500
- SBT-500 Plus
- ► SBT-OTC
- CashIO Self-Service Payment Terminals (CRT's)





- ► Intel 4-Core i3-8100T, 8GB RAM, 128GB SSD (expandable to 64GB/256GB)
- ▶ Dual Elo Touch 21.5" PCAP LCDs
- ► CUSTOM MODUS3 thermal roll printer w/ cutter, anti-jam technology
- ► Choice of Bill Validators:
- JCM UBA PRO (500 note cashbox)
- MEI SC Advance (SCNxx 600 note cashbox)
- ITL NV200 Spectral (500 note cashbox)
- ► Newland FM430 scanner
- ▶ Optional RM5 HD Coin Acceptor
- ▶ Optional Magtek MT-215 Insertion Card Reader

Features

- RGB LEDs 7 colors selectable through switches
- Super-durable baked-on powder coatings
- Custom colors/backlighted logo
- Soft power up/down key switch
- Software-accessible low paper sensor
- Printer and peripheral power-saving features
- Universal power supply, localized power cable
- UL, CE, international EMC and safety certifications
- GLI-20 certified cabinet, designed to pass GLI-33 with platform software





Other peripherals and customization options are all possible

Security with Keyed-Different Access Levels

- Printer paper door sensor
- Note/coin unjamming door sensor
- Cashbox door sensor
- Additional cashbox security strap
- Computer access door sensor
- Soft power on/off keyed-switch
- Service mode keyed-switch

Design and Production Quality

- Welded seams
- Quality harnessing
- ISO 9001, UL-Certified production sites



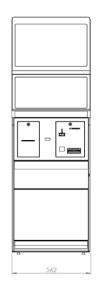


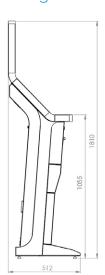


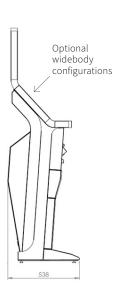




Dimensional Drawing









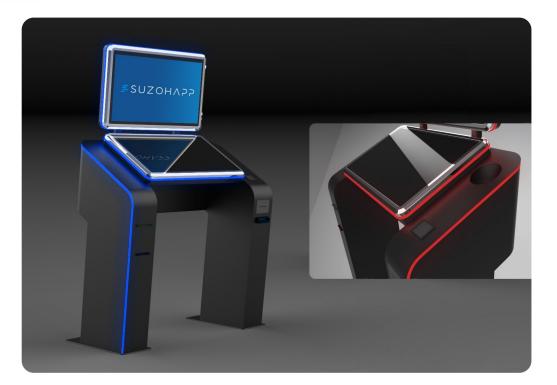




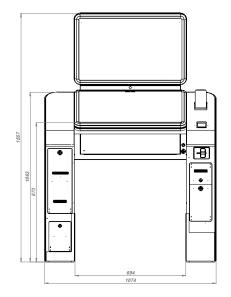
- ► Intel 4-Core i3-8100T, 8GB RAM, 128GB SSD (expandable to 64GB/256GB)
- ► Dual Elo Touch 27" PCAP LCDs (Single screen option available)
- ► CUSTOM VKP80III Printer with 150mm paper roll
- TransAct Epic Edge TITO printer optional as dual printer
- ► Choice of Bill Validators:
- JCM UBA PRO (500 note cashbox)
- MEI SC Advance (SCNxx 600 note cashbox)
- ITL NV200 Spectral (500 note cashbox)
- ▶ Newland FM3080 scanner for phone or ticket
- ▶ Optional RM5 HD Coin Acceptor
- ▶ Optional Magtek MT-215 Insertion Card Reader

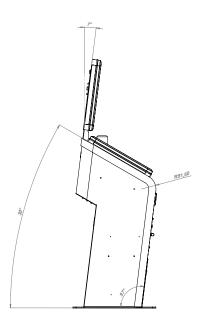
Features

- Software-controllable full spectrum RGB LEDs
- Super-durable baked-on powder coatings
- Soft power up/down key switch
- Keyed-different printer, cash, and computer door locks with sensors
- Universal power supply, localized power cable
- Designed to be ADA Accessible
- Designed to meet GLI 33, UL, and CE specifications



Dimensional Drawing





Other peripherals and customization options are all possible



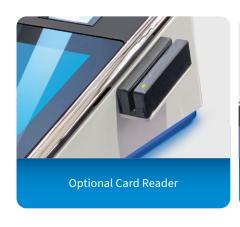
Cashless Sports Betting Terminal

- ► Intel 4-Core i3-8100T, 8GB RAM, 128GB SSD (expandable to 64GB/256GB)
- ► Elo Touch 15.6" widescreen PCAP LCD
- ► CUSTOM MODUS3 80mm thermal roll printer w/ cutter, anti-jam technology
- ► Newland FM3080 scanner for phone or ticket
- ▶ Optional Magtek Mini 3-Stripe MSR

Features

- Software-controllable full spectrum RGB LEDs
- Software-accessible low paper sensor
- Keyed-different printer and computer door locks with sensors
- Service mode key switch
- Soft power up/down key switch
- Super-durable baked-on powder coatings
- Secure table mounting cables exit through rear or base
- Printer and peripheral power-saving features
- Universal power supply, localized power cable
- UL, CE, international EMC, and safety certifications
- GLI-33 certified terminal









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Security with Keyed-Different Access Levels

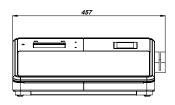
- Printer paper door sensor
- Computer access door sensor
- Soft power on/off keyed-switch
- Service mode keyed-switch

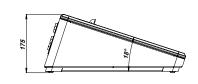
Design and Production Quality

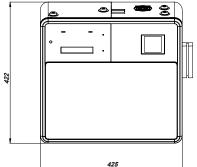
- Welded seams
- Quality harnessing
- Fingerprint-resistant chrome and paint
- Durable steel alloy internal locking mechanisms
- ISO 9001, UL-Certified production sites



Dimensional Drawing











Bartop Sports Betting Terminal with Bill Validator

- ► Intel 4-Core i3-8100T, 8GB RAM, 128GB SSD (expandable to 64GB/256GB)
- ► Elo Touch 15.6" widescreen PCAP LCD
- ► CUSTOM MODUS3 80mm thermal roll printer w/ cutter, anti-jam technology
- ▶ Newland FM3080 scanner for phone or ticket
- ► Choice of Bill Validators:
- JCM UBA PRO (500 note cashbox)
- MEI SC Advance (SCNxx 600 note cashbox)
- ITL NV200 Spectral (500 note cashbox)
- ▶ Optional Magtek Mini 3-Stripe MSR

Features

- Designed to fit within bartop and undercounter footprint of popular bartop poker terminals
- Software-controllable full spectrum RGB LEDs
- Software-accessible low paper sensor
- Keyed-different printer, cash, and computer door locks with sensors
- Service mode key switch
- Soft power up/down key switch
- Super-durable baked-on powder coatings
- Printer and peripheral power-saving features
- Universal power supply, localized power cable
- International EMC and safety certifications
- Designed to pass GLI-33 with platform software









■ SUZOHAPP SPORTS BETTING ECOSYSTEM



Over-the-Counter Sports Betting Terminal

For your more traditional customer, or in an area where you need controlled betting, allow your cashier to manage all the bets. The SUZOHAPP OTC offering is modern and modular, utilizing the same core component engines as SUZOHAPP's kiosk SBTs to ease the software development, performance, and certification across form factors.

Standard Configuration and Accessories

Consists of an Intel i3 processor, 15" display, and optional 10" customer facing display via a single cable USB-C connection. The I/O hub includes 7 USB ports (including powered USB), 2 serial ports, and a cash drawer port. Additionally up to 4 integrated peripherals can be added to the display edges (i.e. MSR, RFID reader, EMV cradle, webcam, fingerprint scanner, status light).

Flexibility / Options

Options include choice of processor (Celeron, i3, i5) with RAM and storage expansion, main display size (15", 15" wide, 17", 21.5"), secondary display (10.1" or 13.3" with or without touch), in countertop or wall mount configuration. Other printers and scanners when required.

- ► Intel 4-Core i3, 8GB RAM (up to 64GB), 128GB SSD
- ▶ 15" PCAP touchmonitor
- CUSTOM P3 thermal roll printer w/ cutter
- ► Newland HR3280 scanner
- ► 3-year global warranty on the computer, 5 years on the scanner
- ► Global certifications

Different Form Factor with Ease of Integration

- Same computer platform for front and back of house units
- Same manufacturer of scanners, printers, and card readers

Options

- Computer performance and storage
- Card readers, webcam
- Various display sizes
- Rear facing customer displays with or without touch
- Other printers and scanners when required









■SUZOH∧??

CashIO Self-Service Payment Terminals (CRT's)

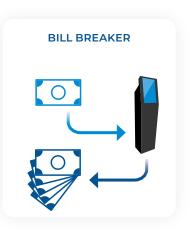
Allow customers an easy cash-out or continuation of play experience

- CashIO is a versatile system with all the features needed to support casino operators at every level
- Since the CashIO automates cashier operations, it not only reduces cash handling costs but also offers players improved service
- Allows the simultaneous use of banknotes, coins, and cashless media such as tickets and cards (TITO –ticket-in / ticket-out)
- CashIO Gold (far right) and CashIO Silver (right) both have small footprints to provide maximum floorspace to your terminals. Differences include ATM capabilities (Gold only) and bill storage capacities
- ▶ 2Pay is the gaming industry's smallest form factor self-service kiosk for Point Of Sale (POS) Debit card to TITO ticket transactions

The gaming machine issues players a ticket representing customers' winnings. With the ticket, they can either move on to another slot machine or go to the CashIO terminals, where they can collect their winnings without standing in line at the cashier's cage. CashIO is able to print tickets for the coin change during redemption transactions.











CashIO Self-Service Payment Terminals (CRT's)

All-in-One Cashless redemption and issuing payment terminal:

- Multi-medium interfaces
- Redeems and prints TITO/2D/QR tickets
- Card issuing, recharge, and redemption for Mag. stripe/Chip/ RFID/NFC cards
- Pays out card balances down to the cent with banknotes and coins
- Mobile bank transfers
- Multi-platforms payment (casino, route gaming, VLT, sport betting, bingo, pull-tab, lottery, etc.)

Operational efficiency and cost saving features:

- Coinless options: Change donation, Ticket redemption rounding, Ticket as change
- Ticket purchase with POS Debit transaction to optimize cashflow
- Face recognition and biometric login
- User instructions provided via touchscreen with multiple language/multiple currencies
- Breaks large denomination banknotes into several smaller ones (configurable)





Technical Specifications

	Gold Edition	Silver Edition
Number of note cassettes	3-4	4
Capacity of note cassettes	1500 each	500 each
Note acceptor capacity	1000	1000
Coin denominations	Up to 4	Up to 4
Recommended transactions per day	500	250
Touch screens	24" or 32"	10" or 21"
Receipt printer	Ticker printer	Ticker printer
Available options	Pin Pad; Dip Card Reader; Motorized Card Reader; Ticket Redemption; Ticket Issuing; Card Redemption/ Charge; Card Issuing; Jackpot Payout; POS, ATM, Cash-N-Go; Biometric Sensor; Electronic Lock For Safe Door; Advertising; Multi Currency	Camera; Dip Card Reader; Motorized Card Reader; Ticket Redemption; Ticket Issuing; Card Redemption/ Charge; Card Issuing; Advertisement; Multi Currency

₹SUZOH∧??

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