SwiftForce

EVA-S01

All-in-One POS Terminal



User Manual

Please read this manual carefully before use and keep it for future reference.

1. Safety Precautions

Read all precautions carefully before operating the EVA-S01.

- Use only the supplied power adapter (DC 12V/5A). An incompatible adapter may cause damage or fire.
- Do not expose to rain, moisture, or liquids. Keep away from direct sunlight and heat sources.
- Do not open, disassemble, or attempt to repair the unit — contact SwiftForce for all service.
- Place the device on a stable, flat surface. Ensure it cannot fall or tip over.
- Power off and disconnect the adapter before cleaning. Use a soft dry cloth only — no liquid cleaners.
- Any modification not expressly approved by SwiftForce may void the warranty and FCC authorization.

2. Package Contents

Verify all items are present. Contact your supplier if anything is missing or damaged.

1	EVA-S01 POS Terminal (main unit)	1	
2	Power Adapter DC 12V/5A (AC100–240V)	1	
3	Power Cable	1	Country-specific
5	User Manual	1	This document

3. Product Overview

The SwiftForce EVA-S01 is a sleek, all-aluminum fanless POS terminal designed for retail, hospitality, and self-service environments. Its foldable design, dual-display pogo-pin connection, and tool-free modular expansion make it ideal for modern point-of-sale deployments.



Front View



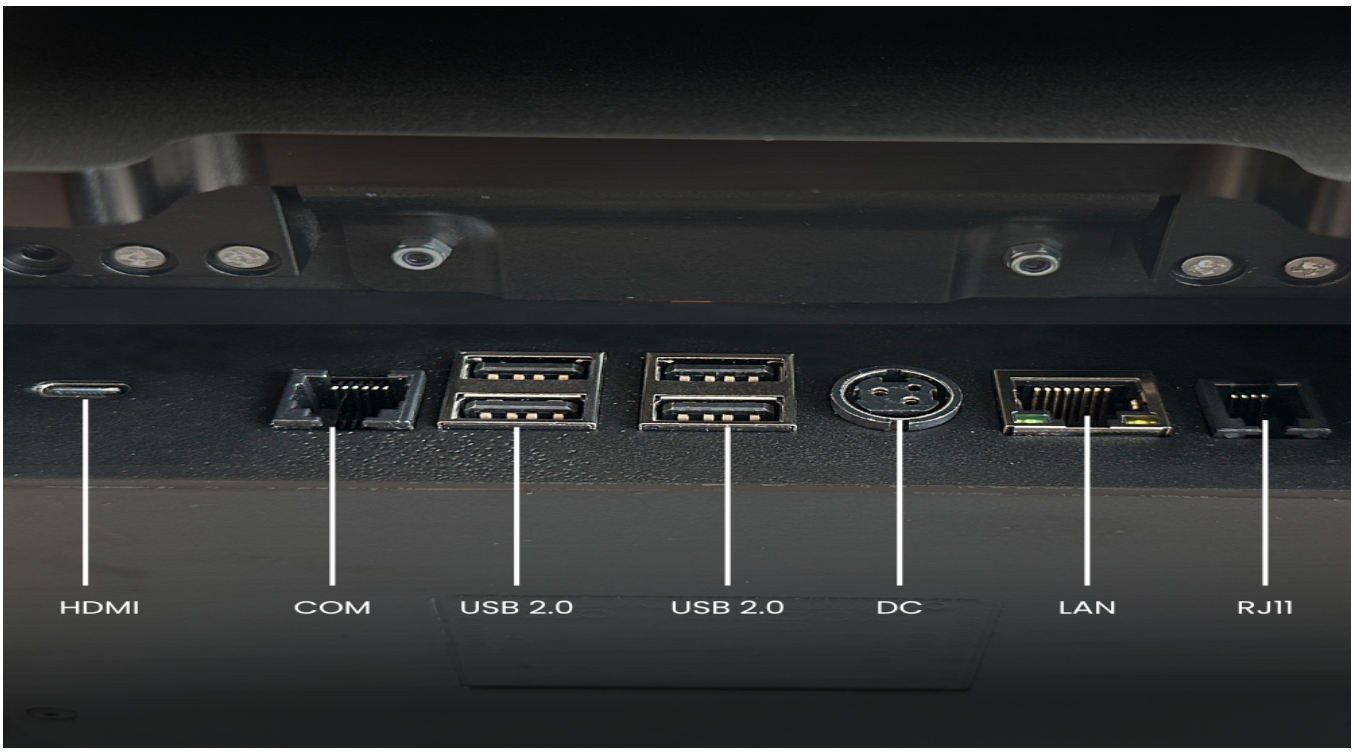
Rear View

Key Features

- All-aluminum fanless body — silent cooling, durable, stable thermal performance

- 15.6" Full HD 1920×1080 true-flat PCAP 10-point capacitive multi-touch display
- Flexible single or dual display with pogo-pin customer screen — no extra wiring
- Android 11/14 or Windows 10 pre-installed, multi-language support
- 2.4/5 GHz dual-band Wi-Fi 802.11 a/b/g/n/ac + Bluetooth 5.1
- Modular expansion: barcode scanner, MSR, NFC, iButton — pogo-pin, tool-free
- Hidden I/O ports for clean cable management; custom colors and logo available

4. Port & Interface Reference



Rear I/O Panel

HDMI	1 × HDMI output (Android)
COM	1 × COM (RJ11) — Android
USB 2.0	4 × rear + 2 × side = 6 total (Android)
DC Power	DC 12V/5A barrel jack (AC100–240V adapter supplied)
LAN	1 × Gigabit Ethernet (RJ-45)
RJ11 Cash Drawer	1 × RJ11
Audio	1 × 3.5 mm audio-out / Internal 2×3 W speaker
Customer Display	10.1" LCD (opt. touch)
Optional Modules	Scanner / MSR / NFC / iButton via pogo-pin (tool-free)

5. Installation & Setup

1. Unpack

Remove the EVA-S01 and all accessories. Check all items in Section 2 are present.

2. Position

Place on a stable flat surface. Adjust the foldable display to a comfortable viewing angle.

3. Wi-Fi connectivity

The Wi-Fi/Bluetooth antenna is a built-in FPC antenna pre-installed inside the device. No antenna installation is required. Ensure the device is placed away from large metal obstructions for best wireless performance.

4. Customer display

If your unit includes a customer-facing display, it is factory-installed and requires no setup by the user.

5. Connect peripherals

Connect cash drawer to RJ11 port. Attach printers, scanners, or USB devices to available USB ports.

6. Connect power

Plug adapter into DC 12V jack. Connect AC end to a grounded outlet (AC 100–240V). Power LED illuminates.

7. Power on

Press the Power button. System boots in approximately 30–60 seconds. Follow on-screen prompts for initial setup.

8. Connect network

Wi-Fi: Settings → Wi-Fi → select network → enter password. Ethernet: plug RJ-45 cable — connects automatically.

> **Note:** Ensure the device is placed in an open area for optimal wireless performance. Do not connect power before all peripheral connections are complete.

6. Technical Specifications

Android Version

Processor	Rockchip RK3568, Cortex-A55 Quad-core, up to 2.0 GHz
Memory	4 GB DDR4 SO-DIMM
Storage	32 GB eMMC High-Speed Flash
OS	Android 11, multi-language, pre-installed
Primary Display	15.6" LCD 1920×1080 (16:9)
Touch	True-flat PCAP 10-point capacitive multi-touch
2nd Screen	10.1" LCD (opt. touch)
USB	Rear: 4×USB2.0 / Side: 2×USB2.0
Serial	1× COM (RJ11)
Cash Drawer	1 × RJ11

LAN	1 × Gigabit Ethernet (RJ-45)
Display Out	1 × HDMI
Audio	1 × 3.5 mm audio-out / Internal 2×3 W speaker
Wi-Fi	2.4/5 GHz dual-band, IEEE 802.11 a/b/g/n/ac
Bluetooth	5.1, multi-device support
Power	DC 12V/5A (AC100–240V, 60W)
Dimensions	364 × 192 × 337 mm (unfolded)
Box Dimensions	480 × 450 × 180 mm
Oper. Temp.	0°C to +40°C / Storage: –20°C to +60°C
Humidity	20% to 90% RH, non-condensing
Certifications	CE, FCC, RoHS

Optional Modules

Barcode Scanner	2D CMOS 640×480 px; 40–620 mm range; reads 1D & QR codes
MSR Card Reader	Triple-track; ISO 7811; Triple DES encryption
NFC Reader	ISO14443 A/B, FeliCa, MIFARE; ≤50 mm range
iButton Reader	1-Wire DS1990A; ≥1M cycles

7. Care & Maintenance

- Power off and disconnect the adapter before cleaning.
- Wipe exterior and touchscreen with a soft lint-free dry cloth — no liquid cleaners or solvents.
- Keep ventilation slots and antenna connector free from dust.
- Do not place heavy objects on the device or apply excessive pressure to the display.
- For extended storage, keep in a clean dry environment within the specified temperature range.

8. Troubleshooting

Device does not power on	Check adapter at both ends. Confirm wall outlet is live.
Touchscreen not responding	Clean screen with dry cloth. Restart device. Check for debris.
Wi-Fi not connecting	Confirm antenna is attached. Enable Wi-Fi in Settings. Check password and distance to router.
Customer display not working	Reseat module on pogo-pin connector. Power cycle the device.
USB device not recognized	Try another USB port. Confirm compatibility. Restart after connecting.
System running slowly	Close unused apps. Free storage space. Perform a system restart.

9. FCC Statement

FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

— Reorient or relocate the receiving antenna.

— Increase the separation between the equipment and receiver.

— Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

— Consult the dealer or an experienced radio/TV technician for help.

Part 15 Conditions

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution — Modifications

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Radiation Exposure Statement

This equipment must be installed and operated in accordance with provided instructions. The antenna used for this transmitter is a built-in FPC antenna integrated inside the device. This equipment must be operated with a minimum separation distance of 20 cm between the device and all persons during normal use. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

5 GHz Band Notice (USA / Canada)

For products available in the USA/Canada market, only channels 1–11 may be operated in the 2.4 GHz band. Operation in the 5.15–5.25 GHz band is restricted to indoor use only.

Wi-Fi / Bluetooth Module FCC ID

The Wi-Fi/Bluetooth module in this product (Model: SKI.WB800D80S.1_D40) holds FCC Single Modular Approval under FCC ID: 2AR82-SKIWB800D80S1, granted January 22, 2026.

10. Warranty & Contact

SwiftForce warrants this product against defects in materials and workmanship for one (1) year from the date of purchase. This warranty does not cover damage from misuse, unauthorized modification, accidents, or failure to follow the instructions in this manual.

Company	SwiftForce Electronic Technology Co., Ltd.
Website	www.swiftforcetech.com
Phone	+1 (702) 209-5162
Address	15902 Halliburton Road STE 148A, Hacienda Heights, CA 91745, USA

© 2026 SwiftForce Electronic Technology Co., Ltd. All rights reserved. EVA-S01 User Manual Rev. 1.0