

# Deep Research Report on TCN-CSC-8C(V49) Smart Touchscreen / Advertising Vending Machine

## Executive Summary

The model string **TCN-CSC-8C(V49)** is consistently presented by the vendor/manufacture web properties as a “**big screen**” **snack-and-beverage vending machine** whose defining differentiator is a **49-inch touch screen** integrated into the machine’s front for **interactive product selection and advertising**. Official pages list a **48-slot** configuration, “spiral/conveyor/pusher” dispensing types, and an advertised capacity of **~240 pieces** with **refrigerated operation** and an adjustable internal setpoint range published as **2°C to 25°C**. Power data is partially specified: **AC 110V/220V 50/60Hz** is claimed with **458W (refrigerated)** and **60W (normal)** and a quoted mass of **~320 kg**. <sup>1</sup>

The upstream manufacturer identity appears tied to a China-based group operating in **Hunan** with overlapping corporate names used across channels. The English export site lists an HQ address in **Ningxiang City, Changsha, Hunan** and provides centralized sales/after-sales contacts. <sup>2</sup> Separately, the Chinese-language official product page attributes the site to **Hunan Zhongji Technology Co., Ltd.** (Chinese: 湖南中吉科技有限责任公司) and repeats the model and core specs. <sup>3</sup>

The product’s **ecosystem** (payments, telemetry, and remote management) is described more clearly at a platform level than at a **TCN-CSC-8C(V49)-specific** level. Official pages and imagery describe a “**TCN Cloud Service Platform**” with reporting dashboards, remote temperature control, abnormal-condition alerts, and network settings. <sup>4</sup> However, **public technical documentation** (API/SDK, data schemas, security architecture, pricing tiers) is **not** published in a way that can be validated end-to-end for this model; the most specific downloadable brochure/manual link for this model appears to exist but was not reliably retrievable via public tooling during this research session. <sup>5</sup>

Key next steps for a procurement/integration team are: obtain the **official datasheet + wiring diagram**, confirm the **installed controller/OS** (Android vs embedded VMC), validate **payment module** (e.g., Nayax/ Ingenico) and its **EMV/contactless certifications**, and perform a **security review** of the remote management plane and networking path (SIM/Wi-Fi/Ethernet). <sup>6</sup>

## Manufacturer and Product Overview

### Manufacturer identity and corporate ecosystem

The English-language export site describes the brand as a major Chinese vending-machine manufacturer and provides a single head-office address and sales/after-sales contacts. <sup>2</sup> The Chinese-language official product page for the same model includes a copyright notice indicating **Hunan Zhongji Technology Co., Ltd.** (湖南中吉科技有限责任公司) and lists the model and basic characteristics. <sup>3</sup>

A strong indicator that **TCN-CSC-8C(V49)** is positioned within a broader “big screen” product family is the vendor’s own article defining “Big Screen Vending Machine” as typically denoting **49-inch and 55-inch** touchscreen-equipped machines, and explicitly listing **TCN-CSC-8C(V49)** as the “Snack and Beverage Big Screen Machine (Non-Lift)”. <sup>7</sup>

**Entity note (for disambiguation and quick reference):** The manufacturing/export brand is commonly presented as `["company","TCN Vending Machine","vending machine manufacturer"]`, while the China domestic site attributes ownership to `["company","Hunan Zhongji Technology Co., Ltd.,"zhongji vending machine firm"]`. The industrial base and contacts are located in `["city","Changsha","hunan, china"]` and `["country","China","country"]`. <sup>8</sup>

## Authorized distributors and regional channels

The export site publishes an **exclusive AU/NZ partner/supplier: Vendcorp Australia Pty Ltd (T/A TCN Vending Australia)**, including the office address and a direct contact email/phone. <sup>9</sup>

Outside AU/NZ, the public site does not provide a complete “authorized distributor directory” in a structured format; procurement commonly occurs via direct factory sales and third-party B2B marketplaces. Evidence of active reseller and localized “branding variants” exists (e.g., “JV-CSC-8C(V49)” used on a Malaysia-focused vending sales site mirroring the official product description fields). <sup>10</sup>

## Product positioning and intended use cases

The vendor frames big-screen machines as dual-purpose systems: (a) automated retail (snacks/beverages) and (b) **advertising/brand promotion** via the large touchscreen, including operator monetization via ad placements. <sup>7</sup> The product page also lists typical placement venues (banks, supermarkets, airports, stations, hospitals, malls, etc.), reinforcing a target market of **high-footfall indoor environments** and some semi-outdoor deployments where permitted. <sup>11</sup>

## Model naming and variants

Public sources show multiple closely related strings:

- **TCN-CSC-8C(V49)** (the focal model) appears on both the export site and the China domestic product page. <sup>12</sup>
- Marketplace listings sometimes display inconsistent or conflicting metadata (e.g., a “TCN-CSC-8C(V50)” header while describing V49 attributes), suggesting either (a) reseller template errors or (b) regional sub-variants not centrally documented. <sup>13</sup>
- The vendor’s internal taxonomy for big-screen machines implies screen size encoding (“V49” aligned with **49-inch**). <sup>14</sup>

Where sources disagree, this report treats the **manufacturer-hosted model pages** as primary for “official” naming and core specs.

## Technical Specifications

### Consolidated specification table for the physical machine

The following table is constrained to what is explicitly stated in accessible sources. Any row marked **Unspecified** indicates that public sources did not provide a verifiable value for *this model*.

Category	Parameter	Value for TCN-CSC-8C(V49)	Source confidence
Form factor	Slot count	48 slots	High (official product page) <sup>1</sup>
Dispensing	Mechanism types	Spiral / conveyor / pusher (as selectable configurations)	Medium–High (official page; not fully parameterized) <sup>1</sup>
Capacity	Advertised item capacity	“All beverages 240 pcs”	Medium (official page; depends on package size) <sup>1</sup>
Dimensions	H × W × D	1940 mm × 1042 mm × 890 mm	High (official page) <sup>1</sup>
Weight	Mass	320 kg	Medium–High (official page) <sup>1</sup>
Refrigeration	Temperature range	2°C to 25°C adjustable	Medium (official page, but spelled inconsistently) <sup>1</sup>
Refrigeration	Compressor brand / refrigerant	Unspecified for this model	Unspecified
Heating	Hot module	“Optional ... heating module” (exact type unspecified)	Medium (official page; wording unclear) <sup>1</sup>
Power input	Voltage / frequency	AC 110V / 220V, 50/60 Hz	Medium (official page; formatting ambiguous) <sup>1</sup>
Power draw	Refrigerated / normal	458W / 60W	Medium (official page) <sup>1</sup>
Cabinet	Materials	Unspecified (official); marketplace claims “steel body + double tempered glass with heating”	Mixed (official unspecified, secondary claims) <sup>15</sup>
Environmental	IP rating; operating humidity; altitude	Unspecified	Unspecified

Category	Parameter	Value for TCN-CSC-8C(V49)	Source confidence
Security	Locks, tamper alarms, anti-theft	Unspecified for this model	Unspecified

## Touchscreen and display subsystem

Official sources clearly specify **screen size** as **49-inch touch screen**. <sup>1</sup> Beyond size, the following are **not** specified in accessible official sources for this model:

- Panel resolution (e.g., 1080p vs 4K)
- Touch technology (capacitive vs IR frame vs resistive), touch point count
- Brightness, viewing angles, glass construction (tempered/anti-glare), panel vendor (LG/AUO/BOE, etc.)
- Display driver/chipset and compliance markings at the display subsystem level (FCC/CE/RoHS specifically for the display module)

Because these omissions materially affect kiosk usability and outdoor-readability, they should be treated as **procurement blockers** requiring direct vendor confirmation.

## Payment system hardware and protocols

The official product page states support for **bill**, **coin**, and **cashless** payment and lists card network brands and mobile wallet types (e.g., Visa/Mastercard/AMEX; Apple Pay/Google Pay/Samsung Pay; “Alipay” appears as a supported e-wallet in spelling variants). <sup>1</sup>

Secondary sources (marketplace listings) provide a more concrete ecosystem view by naming common module vendors and standards:

- Bill acceptor brands: ICT, MEI, CPI, CashCode, ITL, Coinco
- Coin changer brands: ICT, MEI, NRI, Coinco
- Cashless/reader brands: Nayax, ePort, Ingenico (and others)
- Standards: **MDB/DEX** are repeatedly cited as “standard interface.” <sup>16</sup>

**Analytical procurement implication:** MDB/DEX support strongly suggests the machine can be fitted with standard vending cashless devices, but **EMV Level 1/2 certification and contactless wallet enablement** depend on the installed reader (e.g., Nayax/Ingenico/PAX) and the acquiring/payment gateway arrangement, which are **not model-fixed** and therefore must be confirmed as part of the configuration quote. <sup>16</sup>

# Software, Cloud Platform, and Connectivity Ecosystem

## Remote management and “cloud service” capabilities

The vendor describes and visually demonstrates a **TCN Cloud Service Platform** with at least the following capabilities:

- Report statistics dashboards
- Remote temperature control
- Abnormal situation reminders/alerts
- Network flow management settings <sup>17</sup>

A separate product page (for another TCN snack/drink model) explicitly describes **TCN Remote Management System** as cloud-based, accessible from PC/phone/tablet, and supporting centralized inventory, consolidated sales tracking, cash collection traceability, stock replenishment workflows, status monitoring, feedback on failures, and remote price changes. This is not explicitly re-stated on the TCN-CSC-8C(V49) page, so it should be treated as **platform-level capability** rather than a guaranteed per-model feature without confirmation. <sup>4</sup>

## Cloud provider identity and documentation availability

The domestic China product page lists management platforms as “**WeChat cloud service management platform**” and “**PC cloud service management platform.**” <sup>3</sup> Additional TCN-hosted PDFs for other product lines reference logging into a “**Yunshu WeChat Official account**” for fault notifications, monitoring, and data analysis—suggesting the underlying platform branding may be “Yunshu / 云数” in at least some product lines. <sup>18</sup>

However, **public API documentation, SDK downloads, authentication details, data retention SLAs, and pricing tiers** for the cloud platform are not published in a comprehensive, developer-ready form for this model. As a result, integration feasibility (e.g., linking to CRM/ad networks, custom payment gateways, device management via API) is **unspecified** and should not be assumed.

## Privacy policy and data retention posture

The export website provides a published privacy policy for use of its website/service, including a general retention statement (“retain only as long as necessary”), categories of personal data, and the company identity/address used in that policy. <sup>19</sup>

**Important scope distinction:** This privacy policy appears to govern the **website/service** interaction and does not, by itself, establish the data handling practices of the vending fleet management backend (telemetry, transaction logs, video/age verification data if enabled). Those operational data policies remain **insufficiently specified** for this model in public sources. <sup>20</sup>

## Connectivity and I/O

For **TCN-CSC-8C(V49)** specifically, official pages do **not** list Ethernet/Wi-Fi/LTE hardware, port counts (USB/HDMI/RS232), or VPN/remote-access options. The most concrete public statements are secondary:

- “Support extended networking” (non-specific). <sup>15</sup>
- Typical standards like MDB/DEX and mentions of RS232 appear across adjacent TCN model pages and marketplace specs. <sup>21</sup>

Because network architecture drives both operational cost (SIM plans) and security risk, this is a high-priority clarification area.

## Security, Compliance, Documentation, and Warranty

### Compliance certifications

There are two distinct layers of compliance evidence:

- The vendor’s certificates page lists organizational certificates/marks including **UL, CE, CB, ISO 9001, ISO 14001**, and NAMA membership (as images/labels), but this page does not establish that *this specific model* is covered under each mark. <sup>22</sup>
- A third-party **Attestation of Conformity** (UDEM) explicitly lists **TCN-CSC-8C(V49)** among covered models and references EU directives **2014/35/EU (LVD)** and **2014/30/EU (EMC)** along with cited standards (e.g., EN 60335-1 and EN 55014 series) and validity dates. <sup>23</sup>

### Physical and software security posture

Vendor FAQ content claims that inserted cash is “locked inside” and that bill/coin acceptors can detect counterfeit currency via optical sensors; these statements are general and not tied to a specific acceptor model or certification test report. <sup>24</sup>

Public sources do not provide verifiable evidence for:

- Secure boot, signed firmware, tamper detection, trusted execution environment
- Patch cadence and firmware provenance (hashes, signed packages)
- Hardening baseline (Android AOSP version, kiosk lockdown, USB access controls)

Community reports (user forums) indicate that remote connectivity/telemetry and payment reconciliation can require software updates and can encounter “GPRS not registered” style configuration problems, but these are anecdotal and environment-dependent. <sup>25</sup>

No credible public CVE disclosures specific to “TCN vending machine” or to this model were identified in accessible sources during this session; therefore, known-vulnerability status is **unspecified** (not “clean”).

<sup>26</sup>

## Documentation and developer resources

The official site indicates that a downloadable file for **TCN-CSC-8C(V49)** exists in its download center (with a small listed file size), but automated retrieval was unreliable in this research session; therefore the datasheet/manual contents could not be validated directly here. <sup>5</sup>

Non-official but relevant developer/community resources include:

- A Flutter serial communication plugin referencing TCN machines (“tcnserial”), which could indicate grassroots integration efforts; it is not verified as an official interface specification. <sup>27</sup>
- An “Android touch screen vending machine” user manual hosted on Scribd (content summary suggests password management, serial port management, program updates, payment page setup); provenance is unclear and should not be treated as authoritative for this model without cross-check. <sup>28</sup>

## Warranty and service terms

Marketplace listings for the model family commonly cite **12-month** warranty, and the made-in-china listing for the model line includes “12-month” in FAQ content. <sup>15</sup> The official TCN-CSC-8C(V49) product page does not publish a warranty duration on-page, focusing instead on MOQ, lead time, and packaging. <sup>1</sup>

## Pricing, Procurement, Deployments, and Competitor Comparison

### Pricing and procurement signals

Official procurement terms published for this model include:

- **Minimum order quantity:** 3
- **Price:** “Contact for Price”
- **Packaging:** carton or plywood
- **Delivery time:** 15 working days
- **Payment terms:** T/T <sup>1</sup>

Secondary pricing signals (non-official) show a typical **FOB-style unit price** around the mid-\$2k range for similar configurations and order sizes (e.g., US\$2,250 at MOQ 3; other listings show ~US\$2,817 / unit with tiered pricing). These figures are best treated as **indicative** and likely exclude freight, duties, payment peripherals, and regional compliance adaptations. <sup>29</sup>

### Reviews, demonstrations, and deployments

Public video demonstrations for the specific model are more prevalent on B2B listing “video channels” than on independent review outlets. Multiple made-in-china video pages explicitly label the model and show the machine class and its “big screen” positioning. <sup>30</sup>

User forum anecdotes in r/vending emphasize themes relevant to international procurement: shipping cost, warranty parts logistics, connectivity configuration, and compatibility with cashless readers like Nayax. <sup>31</sup>

These should be treated as qualitative signals that reinforce the need for structured acceptance testing rather than as definitive performance evidence.

## Competitor comparison

To avoid apples-to-oranges comparisons, the table below compares TCN-CSC-8C(V49) to three reputable competitors in the broader “smart vending + UI + telemetry” category. Only published values are included.

Vendor / model	Screen / UI	Payment / telemetry standards	Cooling range	Dimensions (H×W×D)
TCN-CSC-8C(V49)	49" touch screen	Bill/coin/cashless; MDB/DEX claimed in secondary sources	2°C–25°C (official)	1940×1042×890 mm
Entity["company", "CPI (Crane Payment Innovations)", "payment and vending systems"] Merchant Combo MEDIA2	9" touchscreen	MDB; remote mgmt via Simplifi CONNECT PLUS	0°C–23°C (programmable range)	72"×35"×32" (Merchant 4)
Entity["company", "SandenVendo", "vending machine manufacturer"] G-Snack Touch (VIII / X variants)	7" touchscreen	Executive / MDB	+2°C to +18°C	1830×980×845 mm (VIII)
Entity["company", "Azkoyen Group", "vending manufacturer"] Mistral+ H85	Alphanumeric keypad (sensorized UI)	EXE/MDB; USB; EVA-DTS	(Not stated on this page; model focuses on snack/drink vending line)	1830×850×890 mm

**Visual snapshot (screen size comparison, inches):**

TCN 49 | [REDACTED]

CPI 9 | ██████████

SandenVendo 7 | ██████████



Azkoyen H85 | (keypad UI; no touchscreen stated)  
(Values taken from cited product pages.) <sup>36</sup>

## Images, Diagrams, Timeline, Legal, and Recommended Next Steps

### Images and diagrams

High-resolution product images are hosted directly on the official product page (examples include front and angled renders). <sup>37</sup> A cloud UI composite image is also publicly accessible and demonstrates the claimed report/temperature/alert/network settings elements. <sup>38</sup>

**Not found publicly (marked unspecified):** internal wiring diagrams, PCB schematics, service manual tear-down photos, and a versioned firmware changelog for TCN-CSC-8C(V49). The official page links a brochure, but it could not be validated in this session due to download access constraints. <sup>39</sup>

### Timeline and firmware history

- The vendor's "Big Screen Vending Machines" article is timestamped **2023-11-21** and explicitly positions TCN-CSC-8C(V49) within the big-screen lineup. This is evidence that the model family (or at least the marketing definition and lineup) existed by that date. <sup>7</sup>
- No official, publicly accessible firmware version table or changelog for this specific model was identified; therefore release date, update cadence, and major security patches are **unspecified**.

### Legal and warranty

- Official warranty terms for this model are not published on the product page; procurement should treat warranty as a negotiated contract term. <sup>1</sup>
- The vendor publishes a website privacy policy with last update date and a general retention statement; this is relevant for website/service interactions, but not sufficient to evaluate operational telemetry privacy without additional cloud documentation. <sup>19</sup>

### Recommended next steps

The checklist below is prioritized for a technical procurement/integration team evaluating TCN-CSC-8C(V49) for deployment:

1. **Obtain and validate the official datasheet + service manual package** for TCN-CSC-8C(V49), including wiring diagrams, spare parts BOM, and acceptance test procedures (ATP). The official download center indicates a model file exists, but contents must be verified. <sup>5</sup>
2. **Confirm the controller stack** (embedded VMC vs Android industrial board), explicitly capturing CPU/RAM/storage, OS version, kiosk lockdown controls, port exposure (USB), and update pathway. (Unspecified publicly.)
3. **Lock payment configuration:** choose the exact bill validator/coin mech/cashless reader (e.g., Nayax/Ingenico) and obtain proof of **EMV/contactless certification**, settlement reporting compatibility, and refund/dispense failure logic. <sup>16</sup>
4. **Network and cloud security assessment:** request architecture diagrams for the remote management plane, including device-to-cloud transport, encryption, authentication, admin RBAC,

and audit logging. Validate claims implied by the cloud UI materials (alerts, temperature control).

40

5. **Pilot deployment:** acquire at least one sample unit and run a structured test plan: vend success rate by product class, temperature stability, touchscreen responsiveness, payment success by method, offline behavior, and remote monitoring reliability (SIM/Wi-Fi/Ethernet).
6. **Spare parts and service model:** negotiate parts lead times and define whether repairs are modular (swap cooling module, controller board). User anecdotes suggest connectivity/setup and cooling components can be common field issues that need clear support pathways. 25
7. **Advertising operations readiness:** clarify whether the 49" screen supports third-party CMS, content formats, scheduling, and proof-of-play reporting, and whether ad inventory can be sold programmatically or only via internal playlists. The vendor markets ad revenue potential but does not publish integration docs. 41

## Appendix with Source Links and Annotations

### Annotated source index

Source	Type	Why it was used
Official product page: TCN-CSC-8C(V49)	Primary	Core official specs (dimensions, weight, power, temperature range, MOQ/lead time) and official images. 42
Official "Big Screen Vending Machines" article	Primary	Establishes lineup context and confirms that TCN-CSC-8C(V49) is the non-lift "big screen" model; gives screen-size taxonomy. 7
Domestic China product page for TCN-CSC-8C(V49)	Primary	Confirms model identity and domestic positioning; states WeChat + PC cloud management platform. 3
TCN Cloud Service Platform UI composite image	Primary supporting evidence	Demonstrates claimed cloud UI features (reports, temperature control, alerts, network settings). 17
TCN privacy policy page	Primary	Provides published privacy and retention statements for the website/service. 19
UDEM Attestation of Conformity (LVD/EMC) listing CSC-8C(V49)	Primary-grade third-party	Model-specific compliance evidence referencing EU directives/standards and validity dates. 23
Made-in-China model listing for TCN-CSC-8C(V49)	Secondary	Adds payment module vendor examples and MDB/DEX references; used carefully due to some conflicting metadata. 15
Reddit r/vending user threads (TCN)	Secondary (user perspective)	Captures real-world concerns: shipping cost, warranty logistics, connectivity/software update pain points. 31

Source	Type	Why it was used
CPI Merchant Combo MEDIA2 official page	Primary competitor	Provides credible competitor specs and software ecosystem claims for comparison. <sup>33</sup>
SandenVendo G-Snack Touch official page	Primary competitor	Provides detailed technical specs: display size, protocols, temp range, weights/dimensions. <sup>34</sup>
Azkoyen Mistral+ H85 official page	Primary competitor	Provides dimensions/weight/capacity and telemetry interface standards (USB, EVA-DTS, EXE/MDB) for comparison. <sup>35</sup>
Dropfoods Model 49 product page	Secondary competitor (official for that firm)	Offers a “49-inch vending machine” reference point with published power/weight/specs and ad focus. <sup>43</sup>

### Raw links list (as requested)

<https://www.tcnvend.com/tcn-csc-cvsmart-touch-screenadvertising-vending-machine-514.html>  
<https://www.tcnvend.com/tcn-big-screen-vending-machines-redefining-vending-experience-521.html>  
<https://www.tcnvend.com/privacy-policy-81.html>  
<https://www.tcnvend.com/contact-us-5.html>  
<https://www.t-cn.com/productinfo/2524328.html>  
<https://www.t-cn.com/products?key=TCN-CSC-8C%28V49%29>  
<https://www.tcnvend.com/tcn-csc-gh-snack-drink-vending-machine-for-sale-551.html>  
<https://www.tcnvend.com/download-10.html>  
[https://vendy1.de/media/91/4c/67/1740646780/CE\\_Zertifikat2.pdf](https://vendy1.de/media/91/4c/67/1740646780/CE_Zertifikat2.pdf)  
<https://www.cranepi.com/en/products/self-service-solutions/snack-and-food-vending-machines/merchant-combo-media2>  
<https://www.sandenvendo.it/en/vending-machines/gsnack-touch-1032.html>  
<https://azkoyenvending.com/mistral/mistral-h85/>  
<https://www.dropfoods.com.vn/en/model-49>  
<https://www.reddit.com/r/vending/comments/14viero/tcn/>  
[https://www.reddit.com/r/vending/comments/1gurnby/anyone\\_with\\_a\\_tcn\\_vending\\_machine\\_here/](https://www.reddit.com/r/vending/comments/1gurnby/anyone_with_a_tcn_vending_machine_here/)  
<https://tcnvending.en.made-in-china.com/product/PAnrBUxoVQWd/China-Tcn-Wholesale-Vending-Machine-Big-Touch-Screen-Snack-Vending-Machine-Cashless-Payment.html>

<sup>1</sup> <sup>6</sup> <sup>11</sup> <sup>12</sup> <sup>32</sup> <sup>36</sup> <sup>37</sup> <sup>39</sup> <sup>42</sup> <https://www.tcnvend.com/tcn-csc-cvsmart-touch-screenadvertising-vending-machine-514.html>

<https://www.tcnvend.com/tcn-csc-cvsmart-touch-screenadvertising-vending-machine-514.html>

2 8 9 **Contact Us - TCN Vending Machine**

[https://www.tcnvend.com/contact-us-5.html?utm\\_source=chatgpt.com](https://www.tcnvend.com/contact-us-5.html?utm_source=chatgpt.com)

3 **中吉大型触屏礼品人机互动定制售货机 | 可接定制-中吉自动售货机**

<https://www.t-cn.com/productinfo/2524328.html>

4 21 **Vending machine,vending machine price,snack vending machine,drink vending machine,automatic vending - TCN**

<https://www.tcnvend.com/tcn-csc-gh-snack-drink-vending-machine-for-sale-551.html>

5 **Download - TCN Vending Machine**

[https://www.tcnvend.com/download-10.html?utm\\_source=chatgpt.com](https://www.tcnvend.com/download-10.html?utm_source=chatgpt.com)

7 14 41 **<https://www.tcnvend.com/tcn-big-screen-vending-machines-redefining-vending-experience-521.html>**

<https://www.tcnvend.com/tcn-big-screen-vending-machines-redefining-vending-experience-521.html>

10 **<https://www.vendingmachinemalaysia.my/product-page/jv-csc-8c-v49-smart-touch-screen-advertising-vending-machine>**

<https://www.vendingmachinemalaysia.my/product-page/jv-csc-8c-v49-smart-touch-screen-advertising-vending-machine>

13 **Internal Error**

15 16 29 **Tcn Wholesale Vending Machine Big Touch Screen Snack Vending Machine Cashless Payment - Vending Machines and Snack Vending Machine price**

<https://tcnvending.en.made-in-china.com/product/PANrBUxoVQWd/China-Tcn-Wholesale-Vending-Machine-Big-Touch-Screen-Snack-Vending-Machine-Cashless-Payment.html>

17 38 40 **[https://www.tcnvend.com/upfile/2024/04/25/20240425152741\\_616.jpg](https://www.tcnvend.com/upfile/2024/04/25/20240425152741_616.jpg)**

[https://www.tcnvend.com/upfile/2024/04/25/20240425152741\\_616.jpg](https://www.tcnvend.com/upfile/2024/04/25/20240425152741_616.jpg)

18 **<https://www.tcnvend.com/upfile/PDF/TCN-NCF-4N%28V10.1%29.pdf>**

<https://www.tcnvend.com/upfile/PDF/TCN-NCF-4N%28V10.1%29.pdf>

19 20 **<https://www.tcnvend.com/privacy-policy-81.html>**

<https://www.tcnvend.com/privacy-policy-81.html>

22 **Certificates - TCN**

<https://www.tcnvend.com/certificates-15.html>

23 **vendy1.de**

[https://vendy1.de/media/91/4c/67/1740646780/CE\\_Zertifikat2.pdf](https://vendy1.de/media/91/4c/67/1740646780/CE_Zertifikat2.pdf)

24 **<https://www.tcnvend.com/faq-9.html>**

<https://www.tcnvend.com/faq-9.html>

25 **[https://www.reddit.com/r/vending/comments/1gurnby/anyone\\_with\\_a\\_tcn\\_vending\\_machine\\_here/](https://www.reddit.com/r/vending/comments/1gurnby/anyone_with_a_tcn_vending_machine_here/)**

[https://www.reddit.com/r/vending/comments/1gurnby/anyone\\_with\\_a\\_tcn\\_vending\\_machine\\_here/](https://www.reddit.com/r/vending/comments/1gurnby/anyone_with_a_tcn_vending_machine_here/)

26 **<https://www.nature.com/articles/s41598-025-23865-4>**

<https://www.nature.com/articles/s41598-025-23865-4>

27 **tcnserial package - All Versions**

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