Site Preparation Guide

NCR SelfServ™ XK22 (2246) Kiosk

NCR V☼YIX

Preface

Audience

This book is written for hardware installer/service personnel, system integrators, and field engineers.

Notice: This document is NCR proprietary information and is not to be disclosed or reproduced without consent.

Safety Requirements

The *NCR SelfServ™ XK22 (2246) Kiosk* conforms to all applicable legal requirements. To view the compliance statements see the *NCR Selfserv Kiosks Safety and Regulatory Information* (B005-0000-2063).

⚠ **Caution:** The on/off switch is a logic switch only. The AC line voltage primaries are live at all times when the power cord is connected. Therefore, disconnect the AC power cord before opening the unit to install features or service this terminal.

Lithium Battery Warning

⚠ **Warning: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type as recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.**

⚠ **Attention: Il y a danger d'explosion s'il y a remplacement incorrect de la batterie. Remplacer uniquement avec une batterie du même type ou d'un type recommandé par le constructeur. Mettre au rébut les batteries usagées conformément aux instructions du fabricant.**

Battery Disposal (Switzerland)

Refer to Annex 4.10 of SR814.013 for battery disposal.

IT Power System

This product is suitable for connection to an IT power system with a phase-to-phase voltage not exceeding 240 V.

Peripheral Usage

This terminal should only be used with peripheral devices that are certified by the appropriate safety agency for the country of installation (UL, CSA, TUV, VDE) or those which are recommended by NCR Corporation.

⚠️ **Warning:** **DO NOT connect or disconnect the transaction printer while the terminal is connected to AC power. This can result in system or printer damage.**

⚠️ **Warning:** **DO NOT connect or disconnect any serial peripherals while the terminal is connected to AC power. This can result in system or printer damage.**

Grounding Instructions

In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances. Do not modify the plug provided — if it will not fit the outlet, have the proper outlet installed by a qualified electrician. Improper connection of the equipment-grounding conductor can result in a risk of electric shock.

The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor.

If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal. Check with a qualified electrician or service personnel if the grounding instructions are not completely understood, or if you are in doubt as to whether the product is properly grounded.

Use only 3-wire extension cords that have 3-prong grounding plugs and 3-pole receptacles that accept the product's plug. **Repair or replace damaged or worn cords immediately.**

Perchlorate Material Notification

Note: This is applicable to the State of California only. Special handling may apply.

This Product may contain a lithium coin cell battery(s) which contains Perchlorate and are subject to the State of California's Best Management Practices (BMP) Regulations for Perchlorate Materials.

Please visit this website for more information: *www.dtsc.ca.gov/hazardouswaste/perchlorate*

Warranty

Warranty terms vary by region and country.

All parts of this product that are subject to normal wear and tear are not included in the warranty. In general, damages due to the following are not covered by the warranty.

·   Improper or insufficient maintenance

·   Improper use or unauthorized modifications of the product.

·   Inadequate location or surroundings. Site installation must conform to guidelines listed in the *NCR SelfServ™ XK22 (2246) Site Preparation Guide (BCC5-0000-5390)* and the *NCR Workstation and Peripheral AC Wiring Guide* (BST0-2115-53).

If you need NCR Warranty support for post installation issues, please contact NCR Customer Services at the following numbers:

·   1-800-262-7782 (U.S. or Canada)

·   1-937-445-1936 (International)

Out of Box Failure (OBF) for Hospitality Products

If you experience an out of box failure (OBF) during installation or staging related to a missing, wrong, or defective unit or item, contact NCR through any of the following options, which may differ based on the customer sales channel:

· **Local Office**: Field Services will need to log a new case in GEMS.

· **Direct (L1 Support)**: If the customer is contracted for level 1 support, call +1-800-792-5642, Option 1, Option 1, then open a new case. The "direct support team" would then need to escalate the GEMS incident to the appropriate support team. Standard would go to HWT, Brand would be assigned to Brand.

· **Direct Customer with Corporate Help Desk**: Log a new case on NAYS

· **Resellers**: Reseller will log a new case on NAYS

For assistance with the OBF process, provide the following details:

· NCR Sales Order Number (Sales Order Number is located on the box)

· Date of product installation or staging when failure is detected

· Product Model Number

· Unit Serial Number

· NCR Part Number or Model Number of defective, missing, or wrong components

· Description of failure (please be specific. For example: "display will not power on")

· Customer/Requestor's contact name, phone number and/or e-mail address

· Address to ship replacement part(s)

⚠ **Hardware that fails after installation or staging DOES NOT qualify as an Out of Box failure but would be managed using same process described above.**

Table of Contents

Revision Record

Issue	Date	Remarks
A	Dec 2019	First Issue
B	Mar 2020	• Added perchlorate material notification • Updated the Out of Box Failure (OBF) sections for Retail and for Hospitality • Updated cleaning procedures
C	May 2020	Added dimensions for Dual Pedestal Mount
D	Feb 2021	• Updated Kiosk Dimensions sections. Showed dimensions for one Small PIN Pad and one Large PIN Pad only (MX925 as the largest) • Added Accessibility information for Ingenico Lane 3000, Ingenico Lane 5000, and Verifone P400 PIN Pads
C	Nov 2024	• Removed OBF section • Updated links • Rebranded to Voyix template

NCR SelfServ™ XK22 (2246) Site Preparation Guide

Overview

Countertop Mount   Wall Mount   Pedestal Mount

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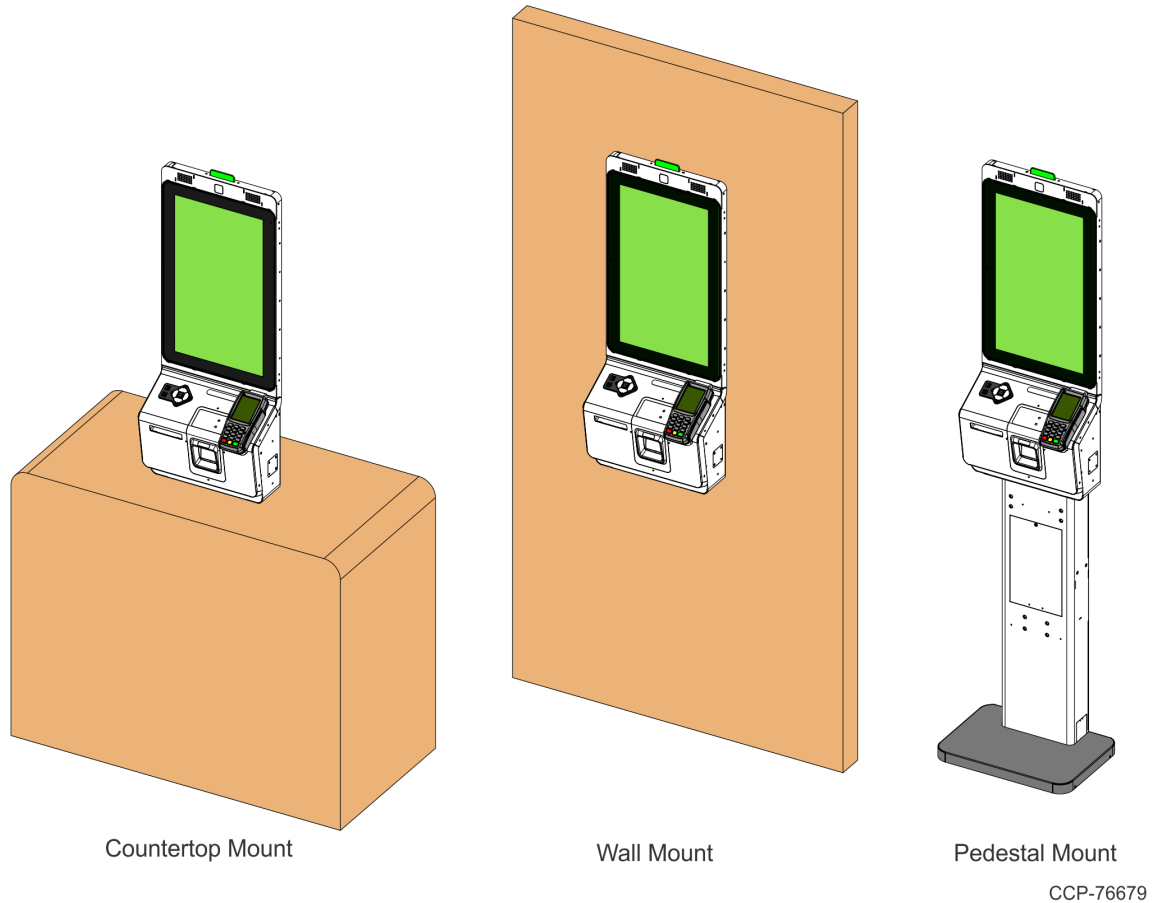
This document provides the information necessary to prepare a site to NCR specifications before installing an NCR SelfServ™ XK22 (2246) Kiosk. The site must be properly prepared before the kiosk is installed because site preparation deficiencies may be difficult to detect and correct after installation.

Product IDs (PIDs)

The NCR SelfServ™ XK22 (2246) Kiosk is available in the following models, which can be configured with various features.

Name	Description
2246-1000-8090	XK22 Kiosk (Retail) w/ uNav
2246-1100-8090	XK22 Kiosk (Retail) w/o uNav
2246-5010-1001	XK22 Kiosk HOSP; Single-sided; i3; 8GB; 120GB SSD; Printer; Imager; VX820; HOSP Win 10 OS
2246-5010-1004	XK22 Kiosk HOSP; Single-sided; i3; 8GB; 120GB SSD; Printer; Imager; MSR; HOSP Win 10 OS
2246-5010-1005	XK22 Kiosk HOSP; Equinox 6200M Mount, i3; 8GB; 120GB SSD; Printer; Imager; HOSP Win 10 OS, US Power Cord
2246-5010-1201	XK22 Kiosk HOSP; VX820 / IPP350 mount, i3; 8GB; 120GB SSD; Printer; Imager; HOSP Win 10 OS, UK Power Cord
2246-5010-1205	XK22 Kiosk HOSP; Equinox 6200M mount, i3; 8GB; 120GB SSD; Printer; Imager; HOSP Win 10 OS, UK Power Cord
2246-5010-1405	XK22 Kiosk HOSP; Equinox 6200M mount, i3; 8GB; 120GB SSD; Printer; Imager; HOSP Win 10 OS, Int Power Cord
2246-5010-3001	XK22 Kiosk HOSP; Single-sided; i3; 8GB; 120GB SSD; Printer; Imager; VX820; HOSP Win 10 OS, uNav
2246-5010-3004	XK22 Kiosk HOSP; MSR, uNav, i3; 8GB; 120GB SSD; Printer; Imager; HOSP Win 10 OS, US Power Cord
2246-5010-3005	XK22 Kiosk HOSP; Equinox 6200M mount, uNav, i3; 8GB; 120GB SSD; Printer; Imager; HOSP Win 10 OS, US Power Cord

Customer Responsibilities

Before the system can be installed, the customer must do or provide the following:

·   When required by NCR, provide the NCR Customer Services representative with appropriate drawings that indicate:

  ·   Location of the equipment

  ·   Site wiring (power and communications, paths and lengths)

  ·   Location of other equipment that may generate electrical noise, electromagnetic interference, or heat

·   Make building alterations necessary to meet wiring and other site requirements.

·   Provide and install all communications cables, wall jacks, special connectors, and associated hardware.

·   Provide and install necessary power distribution boxes, conduits, grounds, lightning protection devices, and associated hardware.

·   Make sure all applicable codes, regulations, and laws (including, but not limited to, electrical, building, safety, and health) are met.

·   Provide and install auxiliary power or other equipment as required.

·   Provide storage or service areas as required.

·   Meet all system/unit environmental requirements.

·   Provide and install floor coverings and environmental systems that limit or control static electricity build-up and discharge.

In general, keep the NCR equipment area free from dust, smoke, lint, and other particles. Restrict smoking, eating, and drinking around the equipment. Avoid locating the equipment near other machines that generate ink, carbon, and paper dust particles.

Third Party Peripheral Certification

Third party peripherals must be certified with the NCR SelfServ™ XK22 (2246) Kiosk or a potential ESD issue can occur. Third party peripherals include any electrically powered devices connected to the kiosk that are not an NCR branded product or a certified solution advocated by NCR. Examples of third party products include PIN pad devices, printers, external CD-ROM drives, and so forth.

Peripherals tend to be less sensitive to electrostatic damage when directly grounded through their power cords. If the peripheral is powered by the terminal and has no dedicated ground, then all of the ESD energy is coupled into the port connection. Some devices may require the use of an in-line galvanic isolator/surge protector in order to prevent problems.

The NCR TPP/SCER process is designed to evaluate third party peripherals and determine whether additional protective devices are needed.

The *NCR Workstation and Peripherals AC Wiring Guide* (BST0—2115—53) contains additional information on this subject.

Environmental Requirements

Barometric Pressure

The NCR SelfServ™ XK22 (2246) Kiosk operates within the following barometric pressure conditions.

- Maximum operating altitude: 3,000 m (9,843 ft)

- Operating range of pressure: 105 to 69 kPa (15.2 to 20.0 lb./in.)

Temperature

The NCR SelfServ™ XK22 (2246) Kiosk operates over the following temperature ranges. Avoid continuous operation at or near the indicated temperature extremes, or in locations where the temperature changes beyond the restrictions.

Temperature Parameter	Restriction
Operating	5° to 45° C (41° F to 113° F), dry bulb
Storage	-10° to 50° C (14° F to 122° F), three months
Shipping	-40° to 60° C (-40° F to 140° F), one week

Humidity

The NCR SelfServ™ XK22 (2246) Kiosk operates within the following humidity ranges. Avoid continuous operation at or near the indicated humidity extremes, or in locations where the humidity changes beyond the restrictions. Never expose the kiosk to condensation.

Humidity Type	Restriction
Relative	10% to 90%
Maximum Change Rate	10% / 60 minutes
Storage	10% to 90% relative humidity, three months
Shipping	5% to 95% relative humidity, one week

Electrical Requirements

Power Requirements

The Kiosk main power supply has a maximum output of 150 Watts and provides power to the kiosk and its powered peripherals.

Mode	Power (W)	
	230V 60Hz	120V 60Hz
Windows Desktop Idle	38.8	39.5
Printing Receipt	77.1	77.9
Running Burn-In (not printing)	68.5	69.3
Running Burn-In (printing)	95.8	95.5
S3 — Sleep**	2.3	2.2
S5 — Off	1.4	1.35

Note: These measurements do not include any EMV pin pad.

** S3 — ACPI is set to S3. S3 uses Sleep command in Windows 10.

Range	Nominal Vrms	Minimum Vrms	Maximum Vrms	Input Current Maximum Arms
Low (115)	100—127	90	136	1.5 A
High (230)	200—240	180	265	

AC Wiring Requirements

The customer must provide suitable AC power for the NCR SelfServ™ XK22 (2246) Kiosk and any associated equipment and devices. NCR recommends a dedicated unswitched power line dedicated to the NCR equipment installation. Refer to the *NCR Workstation and Peripherals AC Wiring Guide* (BST0-2115-23) for store AC wiring requirements. The AC outlet must be installed near the kiosk and easily accessible to the operator.

LAN Communications

The NCR SelfServ™ XK22 (2246) Kiosk supports Ethernet 10/100/1000baseT Local Area Network (LAN) communication protocol. Cat-5 wiring for 100baseT or higher is recommended.

For Ethernet communications wiring specifications, refer to the *NCR Ethernet Communication Wiring Guide* (BST0-2118-82).

Transient Protection

AC Power Line Transient Protection

In the process of power distribution, transient electrical energy (including, but not limited to, lightning strikes, intermittent short circuits, and switching transients) can be introduced onto power lines. Such transient energy can be very damaging to electronic hardware, and can also cause data corruption. Under these circumstances, NCR recommends the use of AC power transient suppressors. Such protection devices are intended to guard against power line transients that can result in hardware damage and various system or program errors.

Improvement of any deficiencies in power quality is a customer responsibility. Malfunction and/or component failure as a result of power quality problems are/is not covered by the NCR Maintenance Agreement. NCR accepts no liability for any such occurrence or for its consequences.

When power transient suppression is required, the suppressors used should meet the following minimum requirements:

·   Dissipate energy to match the appropriate application categories as defined by IEEE Standard 587.

·   Be of the voltage limiting (clipping), or tracking filter type. The suppressor must not clamp the voltage to zero, and must self-recover after the passage of the transient. The suppressor may be of the hybrid type construction that makes use of various technologies in order to meet speed and dissipation requirements.

·   Upon failure, exhibit a positive indication of its failure such as a blown fuse or tripped breaker.

·   Be listed by the accepted safety organization for the country involved (UL, CSA, VDE, ETL, and so on) and the installation must conform to local, state, and national electrical codes and regulations.

Data Line Transient Protection

The nature of the transient phenomenon may extend to the data communication lines connected to this equipment. It is the responsibility of the customer to install and connect a data line transient suppression system to correct or prevent any deficiencies. Such systems must meet the following minimum requirements:

·   Be of the voltage limiting type and must self-recover after passage of the transient.

·   Must be designed to avoid signal degradation for the given interface they are attached to.

·   Be installed in accordance with all applicable local, state, and national electrical codes and regulation.

Note: NCR provides a full line of both AC power and data line transient surge suppressors to protect your NCR unit and reduce downtime and extend the life of the NCR TouchPort travel solution. For sizing and product information, please call NCR Site Preparation Services at 800-257-0458.

The following product offerings are available from NCR Site Preparation Services:

·   UPS — Uninterruptible Power Systems

    ·   Provides battery backup for power outages and brownouts.

    ·   Includes AC and data line surge protections.

    ·   If needed, certain models provide basic voltage regulation.

    ·   Small size provides easy installation.

·   Line Conditioners / Filters

    ·   Incorporates an Isolation transformer or filter that provides 100% isolation from disturbances on the incoming AC power line.

    ·   Removes EMI/RFI noise that causes equipment lockups.

    ·   Reduces common mode noise issues and surges/transients.

    ·   Significantly reduces POS downtime and component failure.

·   Transient Voltage Surge Suppressors

    ·   Provides protection from catastrophic AC surges/transients.

    ·   Provides data line protection from catastrophic surges that can migrate onto the data line and network.

Weight

Unit Weight

The following table shows the approximate weights for each NCR XK22 Kiosk configuration. These values are for reference only. Exact weights are dependent on build configuration.

Kiosk Configuration	Kiosk Head	Pedestal	Baseplate	Total Weight
Countertop or Wall	26 kg (57.32 lb)	N/A	N/A	26 kg (57.32 lb)
Bolted	26 kg (57.32 lb)	19 kg (41.89 lb)	N/A	45 kg (99.21 lb)
Free Standing	26 kg (57.32 lb)	19 kg (41.89 lb)	37.2 kg (82.01 lb)	82.2 kg (181.22 lb)

Shipping Weight

The following table shows the approximate shipping weights for each NCR XK22 Kiosk part. These values are for reference only. Exact weights are dependent on build configuration.

Kiosk Part	Total Weight
Boxed Countertop + Pallet	43 kg (94.80 lb)
Boxed Pedestal + Pallet	42.6 kg (93.92 lb)

Kiosk Dimensions

The NCR XK22 Kiosk can be installed in different configurations, depending on the features, kits, and components ordered. Following are dimensions of different NCR XK22 Kiosk configurations.

Countertop Mount with Small PIN Pad

348.64 mm
(13.73 in.)

235.59 mm
(9.28 in.)

73.81 mm
(2.91 in.)

922.67 mm
(36.33 in.)

904.84 mm
(35.62 in.)
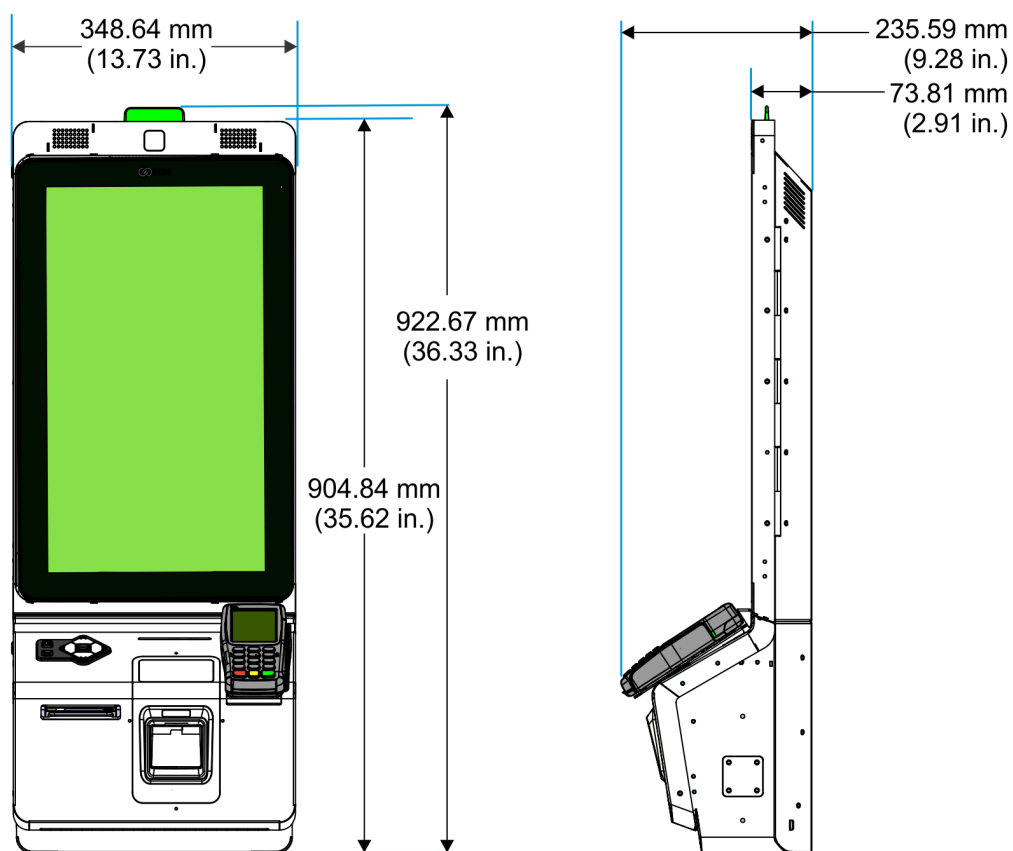
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Countertop Mount with Large PIN Pad

577.52 mm
(22.74 in.)

348.64 mm
(13.73 in.)

203.61 mm
(8.02 in.)

73.81 mm
(2.91 in.)

922.67 mm
(36.33 in.)

904.84 mm
(35.62 in.)

275.44 mm
(10.84 in.)
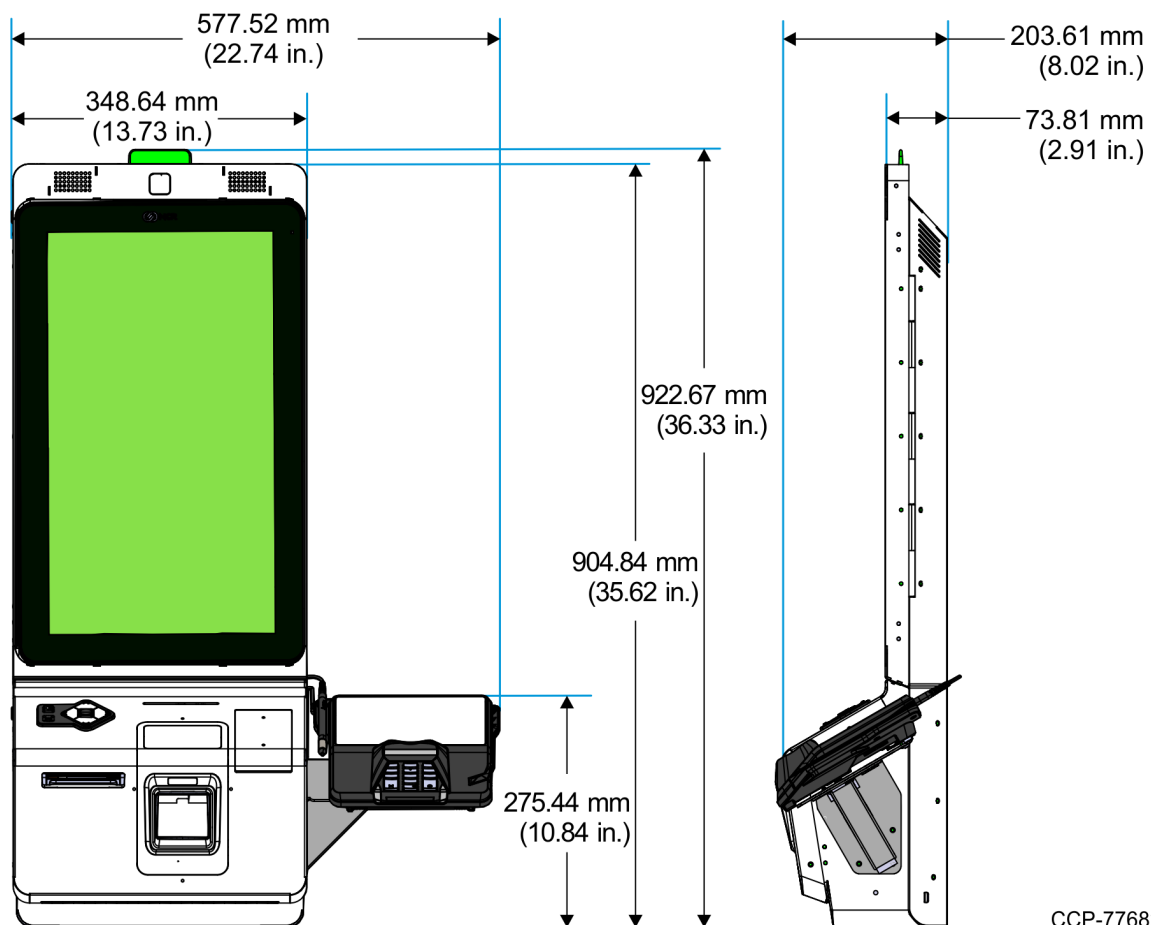
CCP-77682

Wall Mount with Small PIN Pad

348.64 mm
(13.73 in.)

922.67 mm
(36.33 in.)

904.84 mm
(35.62 in.)

235.59 mm
(9.28 in.)

73.81 mm
(2.91 in.)
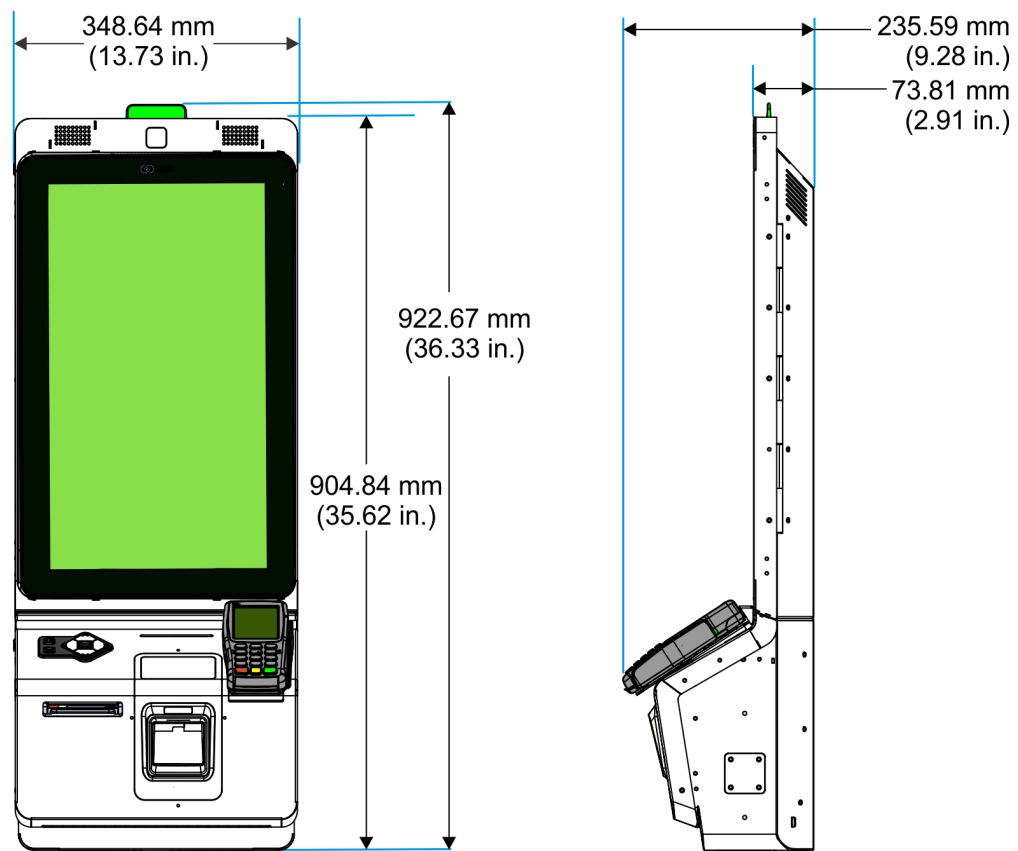
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Wall Mount with Large PIN Pad

577.52 mm
(22.74 in.)

348.64 mm
(13.73 in.)

203.61 mm
(8.02 in.)

73.81 mm
(2.91 in.)

922.67 mm
(36.33 in.)

904.84 mm
(35.62 in.)

275.44 mm
(10.84 in.)

CCP-77682

Pedestal Mount, Bolted with Small PIN Pad

348.64 mm
(13.73 in.)

235.59 mm
(9.28 in.)

73.81 mm
(2.91 in.)

1736.67 mm
(68.37 in.)

1718.84 mm
(67.67 in.)

91 mm
(3.58 in.)

814 mm
(32.05 in.)

218 mm
(8.58 in.)

286.22 mm
(11.27 in.)

405 mm
(15.94 in.)
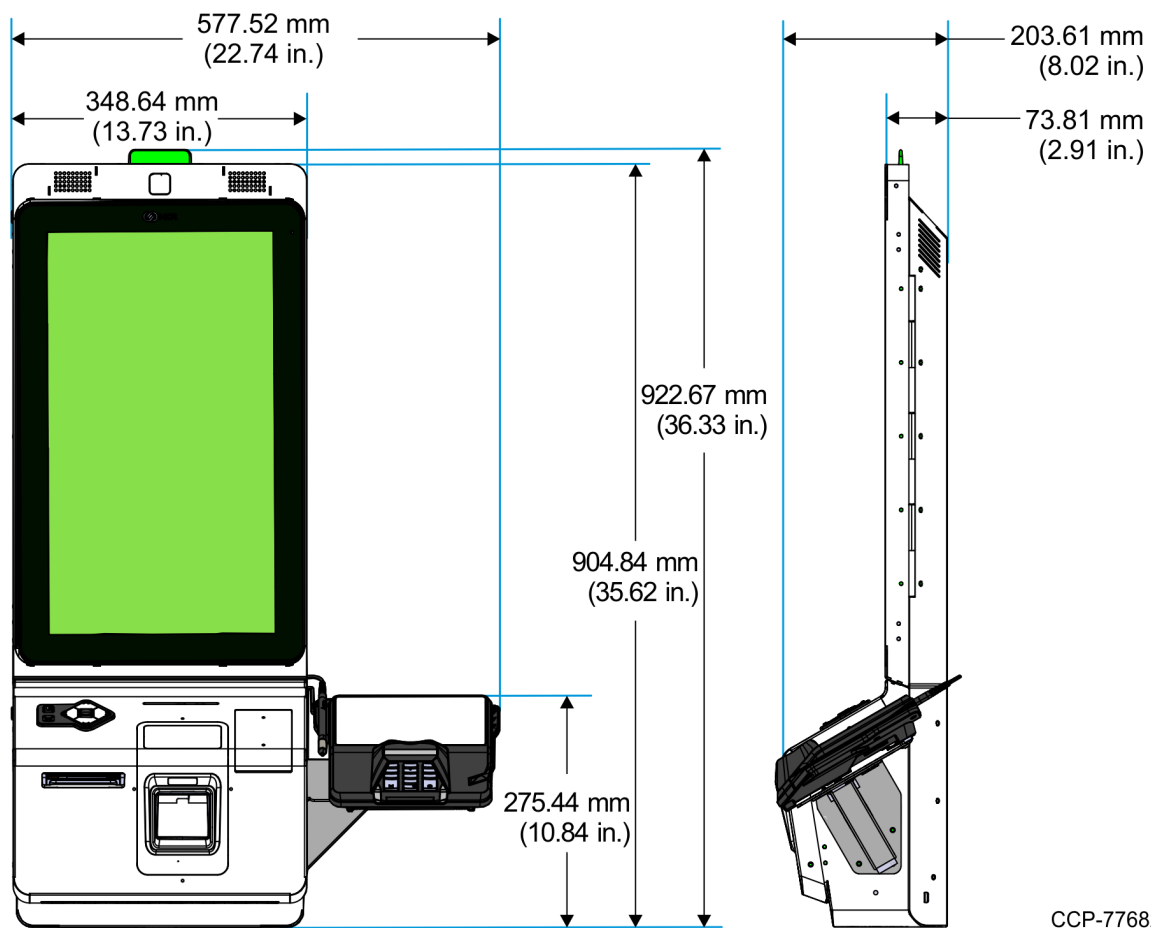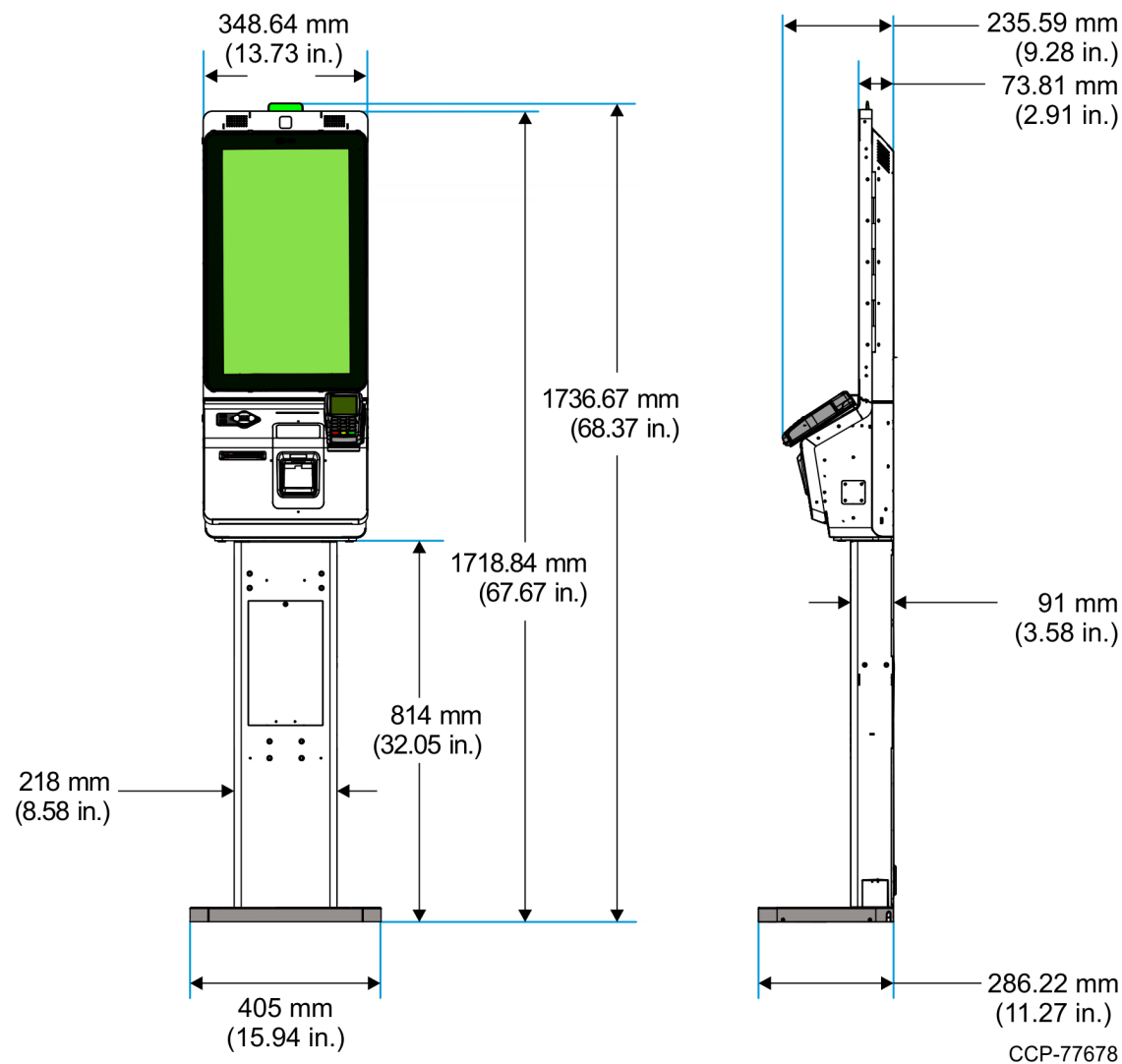
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Pedestal Mount, Bolted with Large PIN Pad

577.52 mm
(22.74 in.)

348.64 mm
(13.73 in.)

203.61 mm
(8.02 in.)

73.81 mm
(2.91 in.)

1736.67 mm
(68.37 in.)

1718.84 mm
(67.67 in.)

1089.44 mm
(42.89 in.)

814 mm
(32.05 in.)

91 mm
(3.58 in.)

218 mm
(8.58 in.)

405 mm
(15.94 in.)

286.22 mm
(11.27 in.)
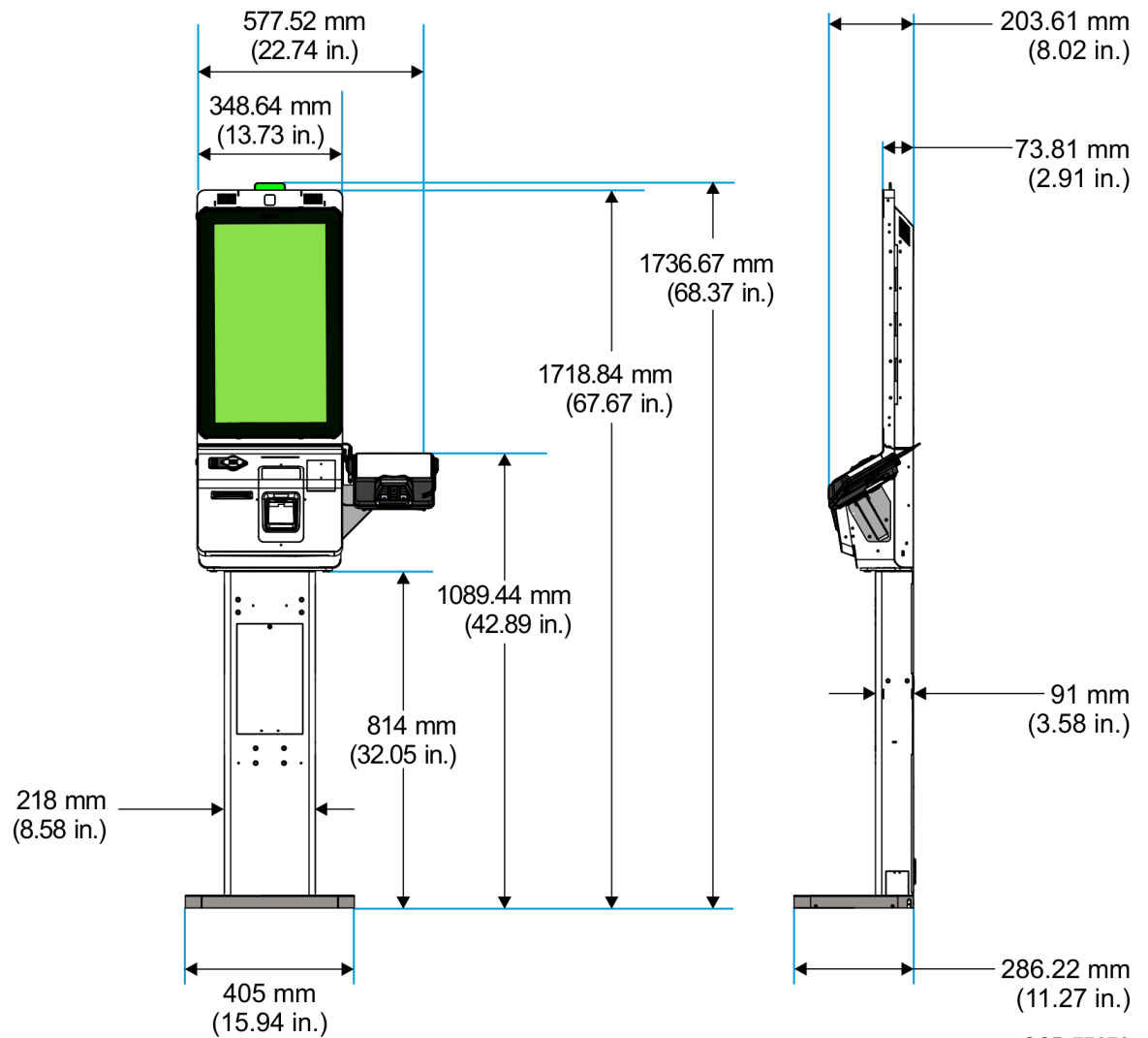
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Pedestal Mount, Free Standing with Small PIN Pad

348.62 mm
(13.73 in.)

235.59 mm
(9.28 in.)

73.81 mm
(2.91 in.)

1749.17 mm
(68.86 in.)

1731.34 mm
(67.16 in.)

91 mm
(3.58 in.)

826.50 mm
(32.54 in.)

218 mm
(8.58 in.)

286.40 mm
(11.28 in.)

711 mm
(27.99 in.)

711 mm
(27.99 in.)
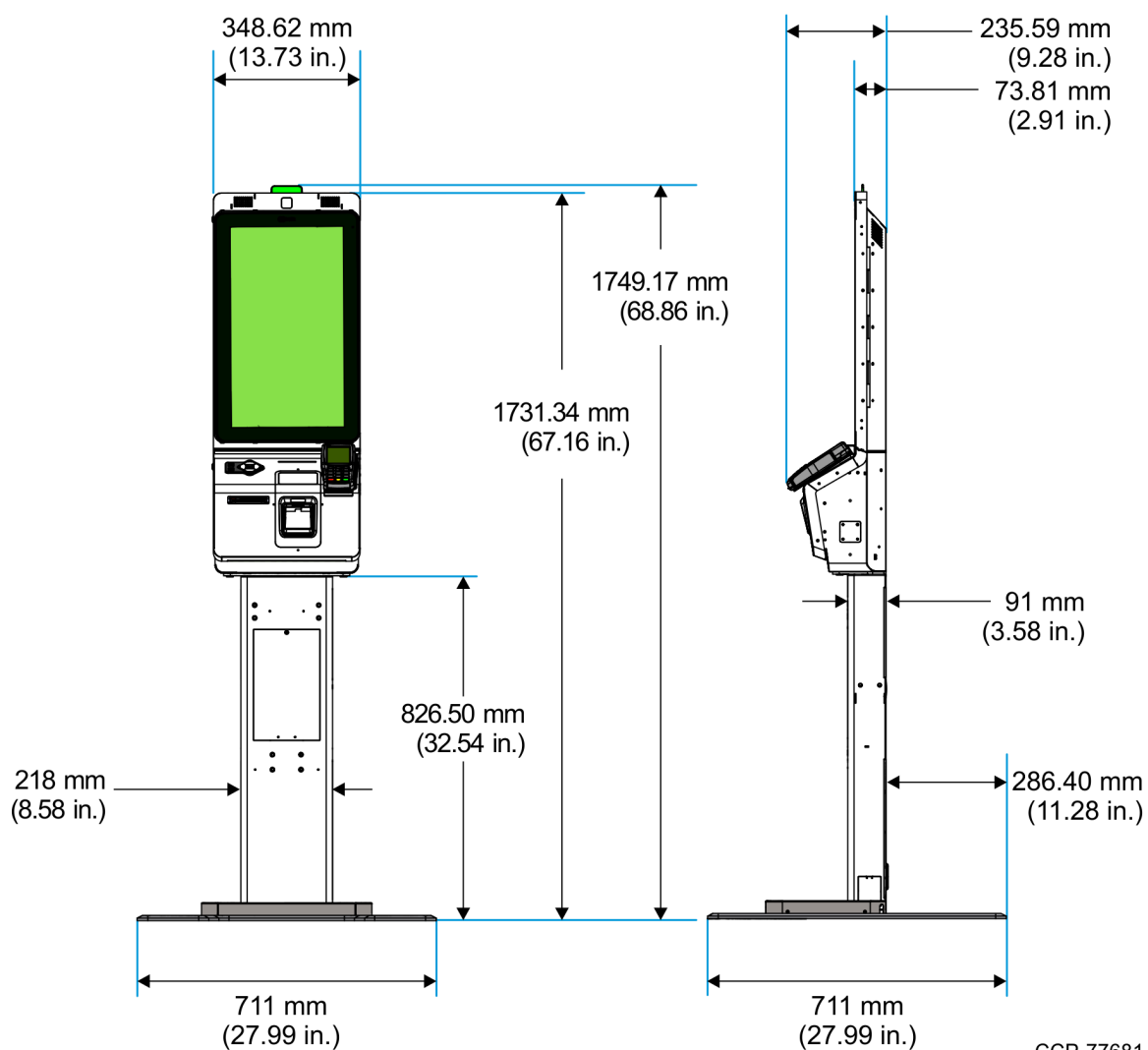
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Pedestal Mount, Free Standing with Large PIN Pad

577.52 mm
(22.74 in.)

348.64 mm
(13.73 in.)

203.61 mm
(8.02 in.)

73.81 mm
(2.91 in.)

1749.17 mm
(68.86 in.)

1731.34 mm
(67.16 in.)

1101.92 mm
(43.38 in.)

91 mm
(3.58 in.)

826.50 mm
(32.54 in.)

218 mm
(8.58 in.)

286.40 mm
(11.28 in.)

711 mm
(27.99 in.)

711 mm
(27.99 in.)
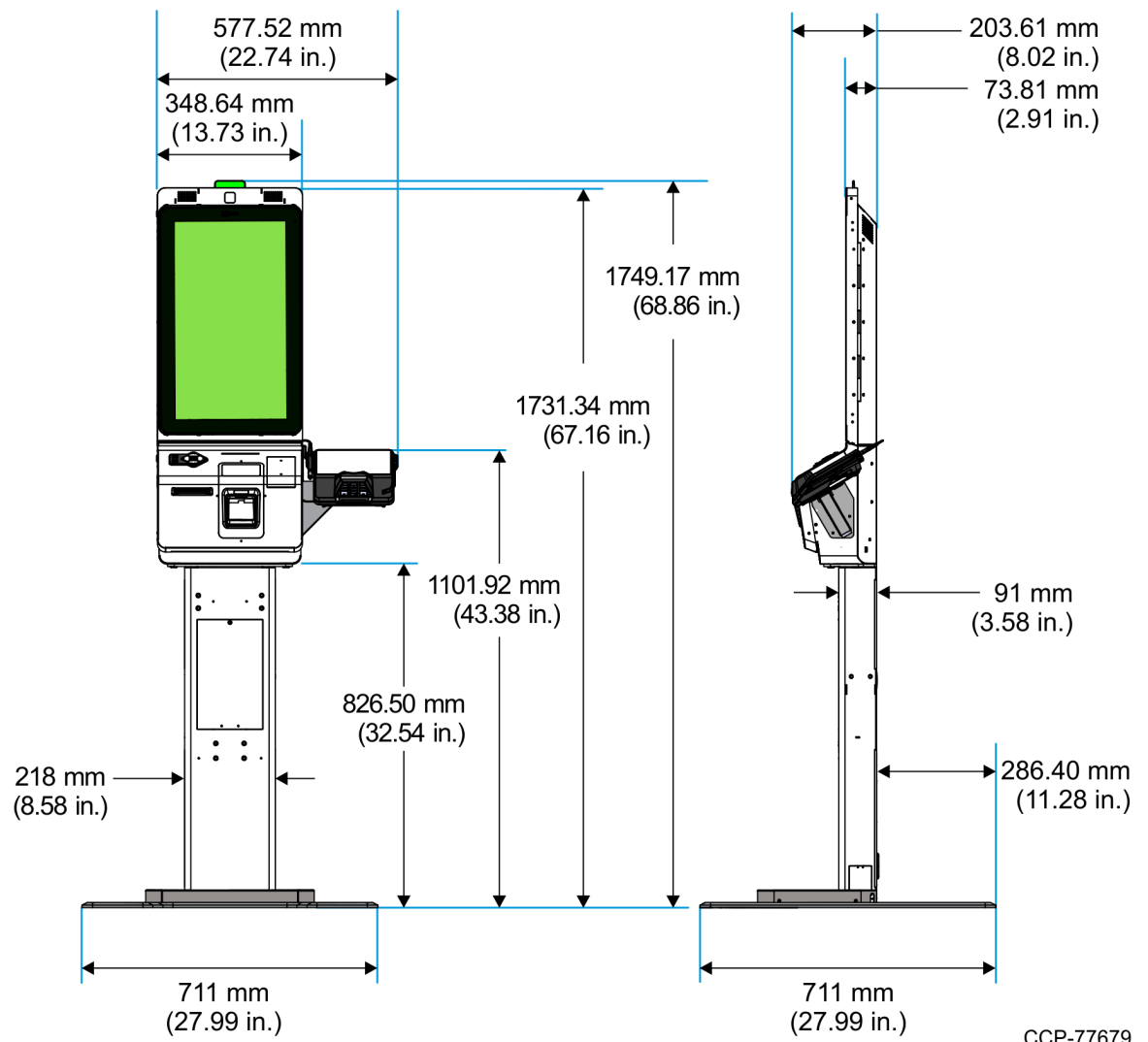
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Dual Pedestal Mount, Bolted with Small PIN Pad

348.64 mm
(13.73 in.)

472.4 mm
(18.59 in.)

149.4 mm
(5.88 in.)

1736.67 mm
(68.37 in.)

1718.84 mm
(67.67 in.)

184 mm
(7.24 in.)

814 mm
(32.05 in.)

218 mm
(8.58 in.)

405 mm
(15.94 in.)

574.4mm
(22.61 in.)
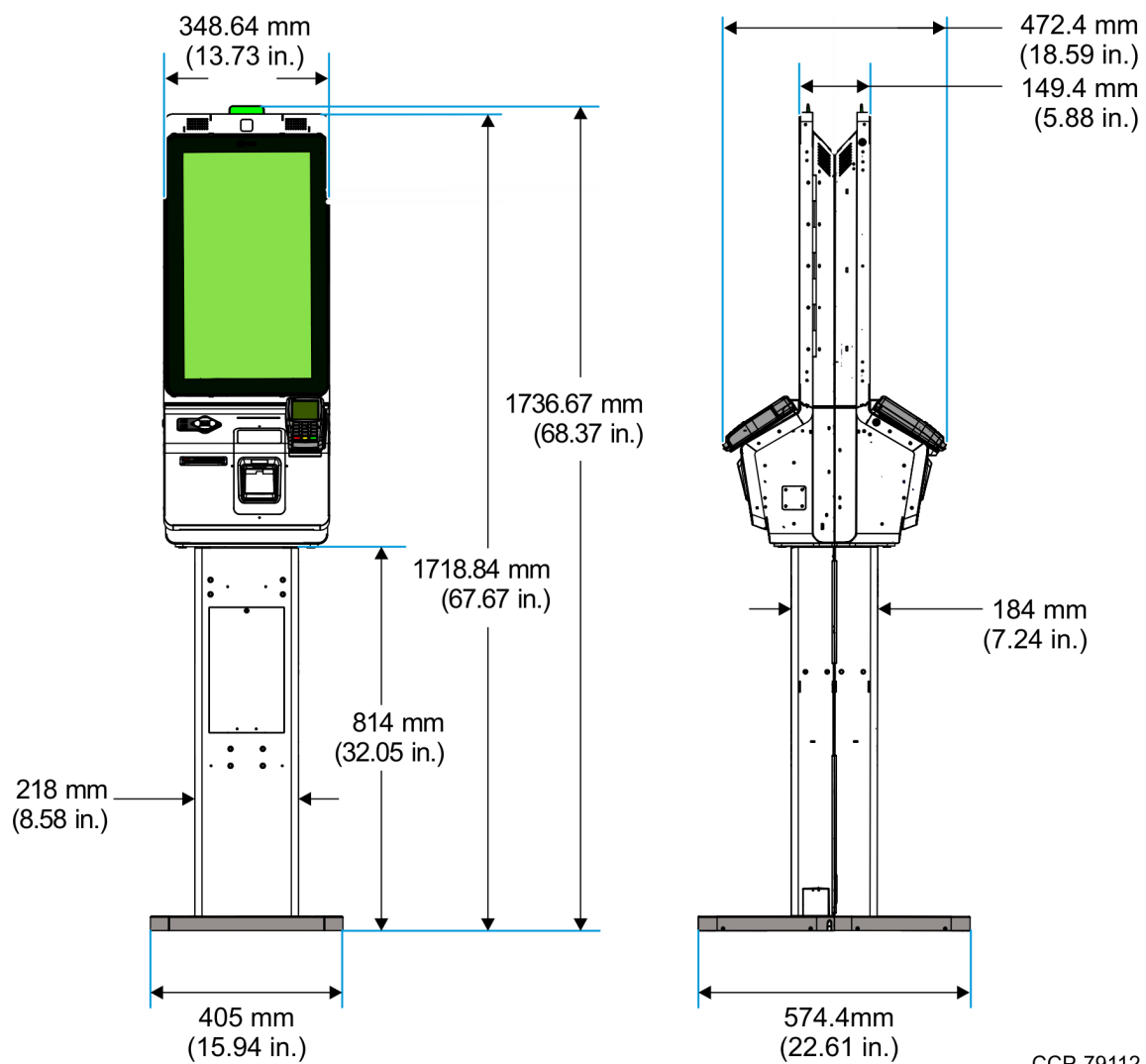
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Accessibility of Devices

The dimensions in this section show the accessibility of devices for all users especially for persons with disabilities. Depending on the type of the NCR XK22 Kiosk unit installed, refer to the following:

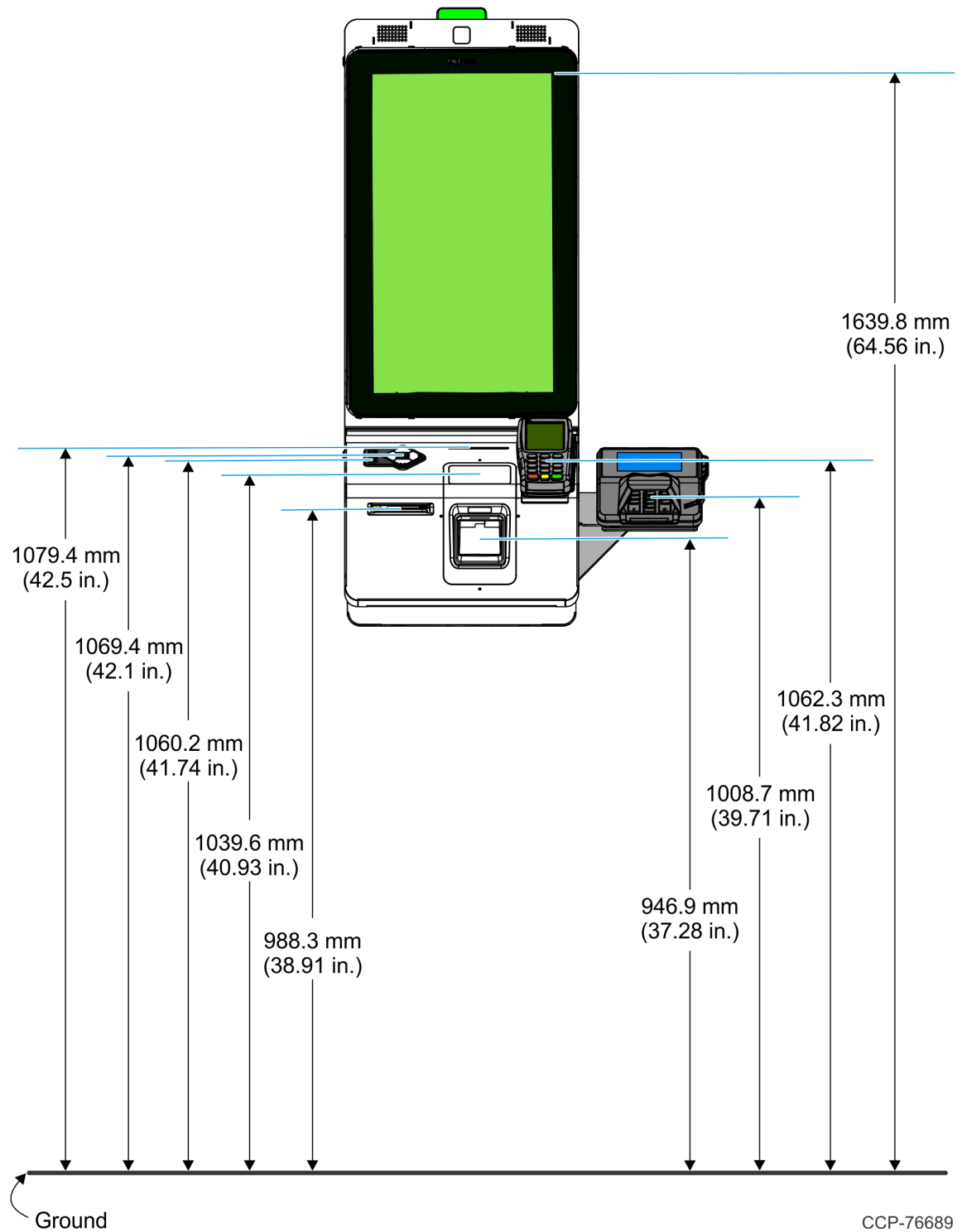| Unit Configuration	Related Accessibility Information
Countertop Mount Configuration Wall Mount Configuration	• *Heights and Depths (Countertop and Wall Mount Configurations)* on the facing page • *Distance for Voice Guidance* on page 27
Pedestal Mount Configuration	• *Heights and Depths (Pedestal Mount Configuration)* on page 24 • *Distance for Voice Guidance* on page 27

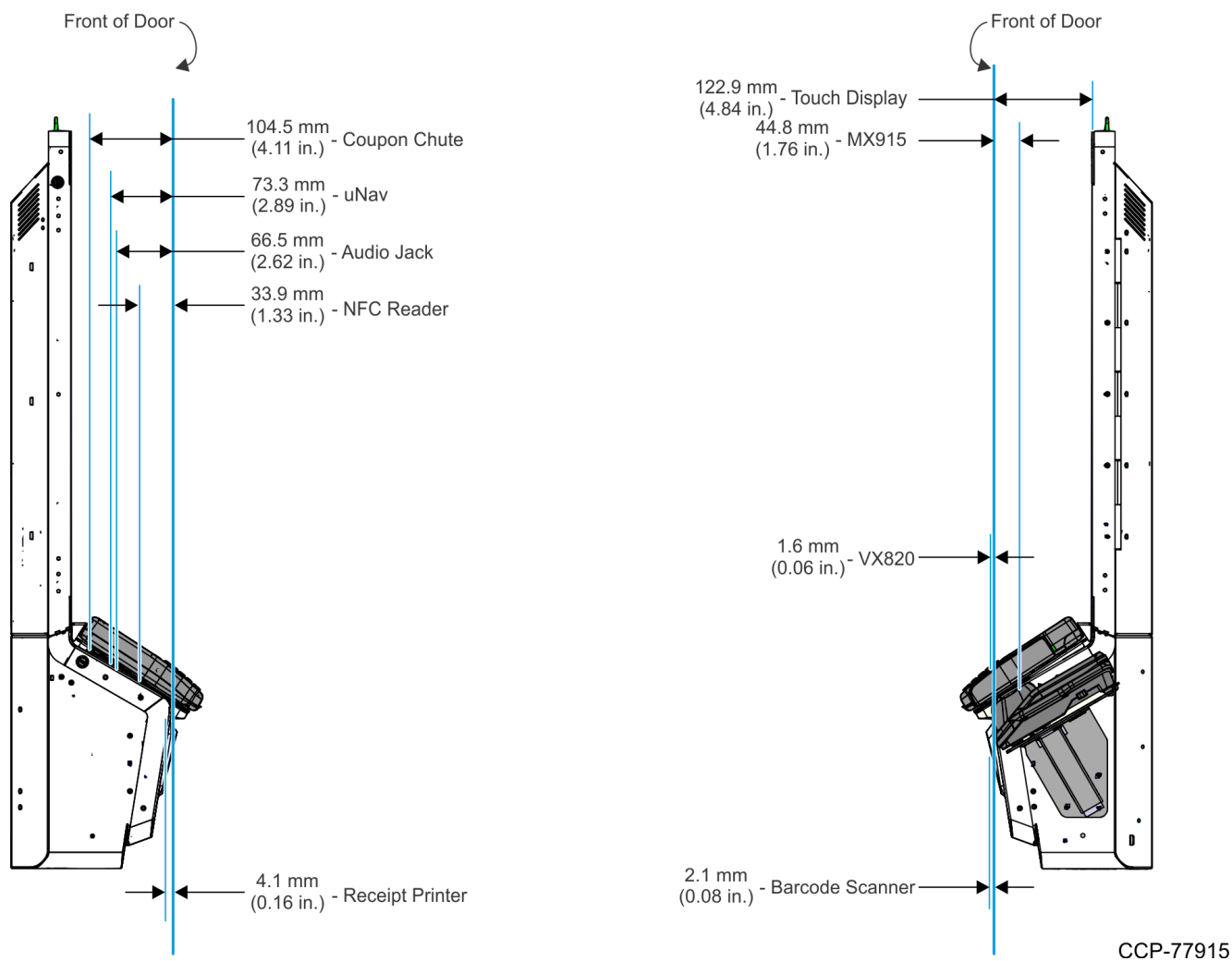# Heights and Depths (Countertop and Wall Mount Configurations)

Interface Device	Reference Point	Height from Ground	Depth from front of Door
Touchscreen/Display	Top of active display area	1639.8 mm (64.56 in.)	122.9 mm (4.84 in.)
Coupon Chute	Center of paper entry slot	1079.4 mm (42.5 in.)	104.5 mm (4.11 in.)
uNav	Middle button	1069.4 mm (42.1 in.)	73.3 mm (2.89 in.)
MSR	Center of chute	1064 mm (41.89 in.)	65.5 mm (2.58 in.)
PIN Pad (Ingenico IPP320 or IPP350)	No. 5 button	1063.3 mm (41.86 in.)	10.8 mm (0.43 in.)
PIN Pad (Verifone VX820 or VX850)	No. 5 button	1062.3 mm (41.82 in.)	1.6 mm (0.06 in.)
Audio Jack	Center	1060.2 mm (41.74 in.)	66.5 mm (2.62 in.)
PIN Pad (Ingenico Lane 3000)	No. 5 button	1052.5 mm (41.44 in.)	-8.8 mm (-0.35 in.)
PIN Pad (Verifone P400)	No. 5 button	1046.8 mm (41.21 in.)	2.6 mm (0.10 in.)
NFC Reader	Center of scan area	1039.6 mm (40.93 in.)	33.9 mm (1.33 in.)
PIN Pad (Equinox 6200M)	No. 5 button	1034.6 mm (40.73 in.)	2.38 mm (0.94 in.)
PIN Pad (Ingenico Lane 5000)	No. 5 button	1025.6 mm (40.38 in.)	42.3 mm (1.67 in.)
PIN Pad (Ingenico iSC250)	No. 5 button	1013.5 mm (39.9 in.)	50.9 mm (2.00 in.)
PIN Pad (Verifone MX915)	No. 5 button	1008.7 mm (39 71 in.)	44.8 mm (1.76 in.)
PIN Pad (Verifone MX925)	No. 5 button	1001.9 mm (39 44 in.)	124.5 mm (4.90 in.)
Receipt Printer	Center of paper exit slot	988.3 mm (38.91 in.)	4.1 mm (0.16 in.)
Barcode Scanner	Center of scan area	946.9 mm (37.28 in.)	2.1 mm (0.08 in.)

*The recommended installation height from the ground is **814 mm** (32.05 in.).

Height from Ground (Countertop and Wall Mount Configurations)

1639.8 mm
(64.56 in.)

1079.4 mm
(42.5 in.)

1069.4 mm
(42.1 in.)

1062.3 mm
(41.82 in.)

1060.2 mm
(41.74 in.)

1008.7 mm
(39.71 in.)

1039.6 mm
(40.93 in.)

946.9 mm
(37.28 in.)

988.3 mm
(38.91 in.)

Ground

Depth from Front of Door (Countertop and Wall Mount Configurations)

Front of Door

104.5 mm
(4.11 in.) - Coupon Chute

73.3 mm
(2.89 in.) - uNav

66.5 mm
(2.62 in.) - Audio Jack

33.9 mm
(1.33 in.) - NFC Reader

4.1 mm
(0.16 in.) - Receipt Printer

Front of Door

122.9 mm
(4.84 in.) - Touch Display

44.8 mm
(1.76 in.) - MX915

1.6 mm
(0.06 in.) - VX820

2.1 mm
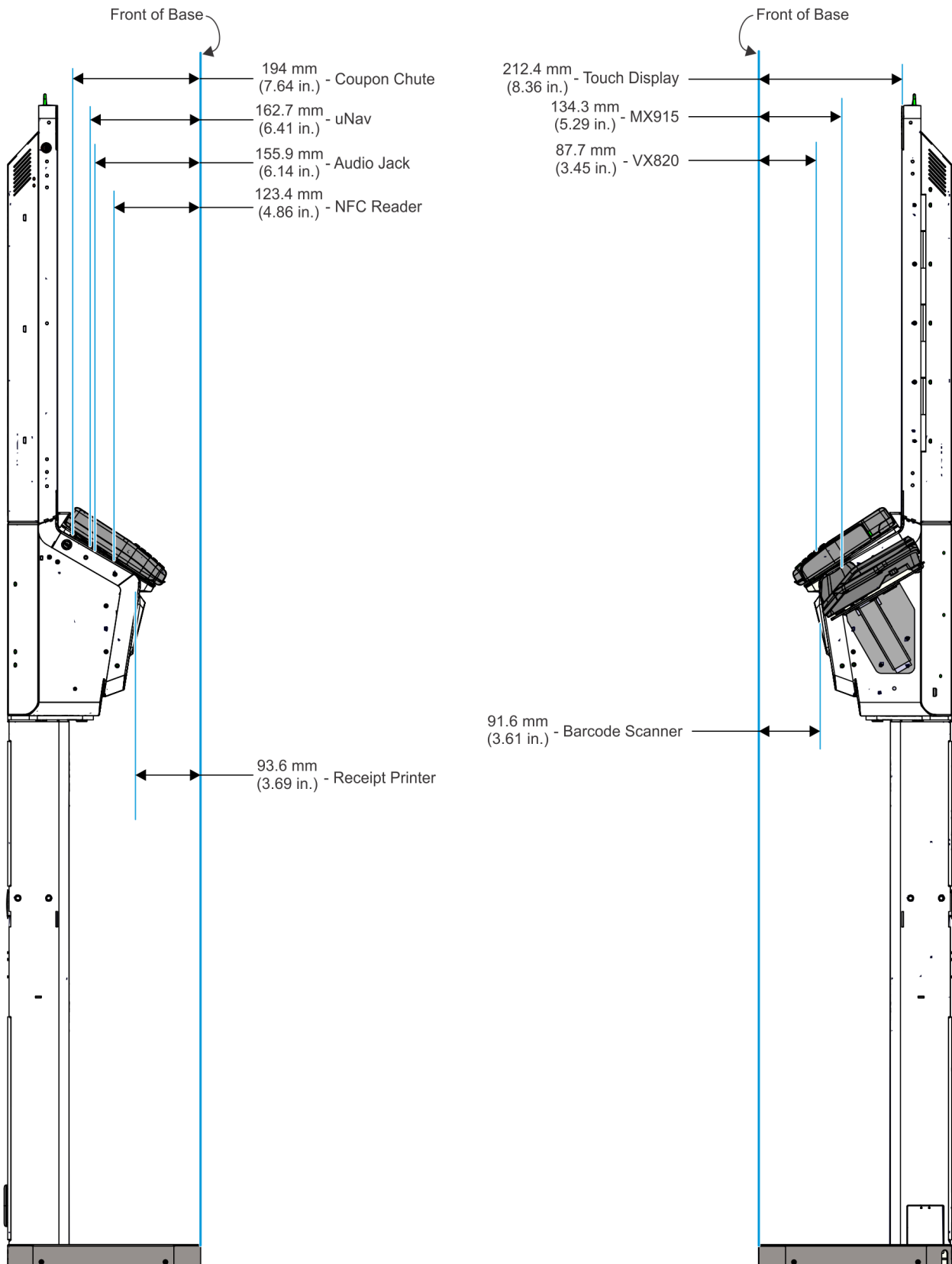(0.08 in.) - Barcode Scanner

CCP-77915

Heights and Depths (Pedestal Mount Configuration)

Interface Device	Reference Point	Height from Ground	Depth from Front of Base
Touchscreen/Display	Top of active display area	1639.8 mm (64.56 in.)	212.4 mm (8.36 in.)
Coupon Chute	Center of paper entry slot	1079.4 mm (42.5 in.)	194 mm (7.64 in.)
uNav	Middle button	1069.4 mm (42.1 in.)	162.7 mm (6.41 in.)
MSR	Center of chute	1064 mm (41.89 in.)	155 mm (6.1 in.)
PIN Pad (Ingenico IPP320 or IPP350)	No. 5 button	1063.3 mm (41.86 in.)	109.8 mm (4.32 in.)
PIN Pad (Verifone VX820 or VX850)	No. 5 button	1062.3 mm (41.82 in.)	97.2 mm (3.83 in.)
Audio Jack	Center	1060.2 mm (41.74 in.)	155.9 mm (6.14 in.)
PIN Pad (Ingenico Lane 3000)	No. 5 button	1052.5 mm (41.44 in.)	80.6 mm (3.17 in.)
PIN Pad (Verifone P400)	No. 5 button	1046.8 mm (41.21 in.)	74.7 mm (2.94 in.)
NFC Reader	Center of scan area	1039.6 mm (40.93 in.)	123.4 mm (4.86 in.)
PIN Pad (Equinox 6200M)	No. 5 button	1034.6 mm (40.73 in.)	122.8 mm (4.83 in.)
PIN Pad (Ingenico Lane 5000)	No. 5 button	1025.6 mm (40.38 in.)	131.8 mm (5.19 in.)
PIN Pad (Ingenico iSC250)	No. 5 button	1013.5 mm (39.9 in.)	149.9 mm (5.9 in.)
PIN Pad (Verifone MX915)	No. 5 button	1008.7 mm (39.71 in.)	143.8 mm (5.66 in.)
PIN Pad (Verifone MX925)	No. 5 button	1001.9 mm (39.44 in.)	124.5 mm (4.90 in.)
Receipt Printer	Center of paper exit slot	988.3 mm (38.91 in.)	93.6 mm (3.69 in.)
Barcode Scanner	Center of scan area	946.9 mm (37.28 in.)	91.6 mm (3.61 in.)

Height from Ground (Pedestal Mount Configuration)

1639.8 mm
(64.56 in.)

1079.4 mm
(42.5 in.)

1069.4 mm
(42.1 in.)

1062.3 mm
(41.82 in.)

1060.2 mm
(41.74 in.)

1008.7 mm
(39.71 in.)

1039.6 mm
(40.93 in.)

988.3 mm
(38.91 in.)

946.9 mm
(37.28 in.)

Ground

CCP-77914
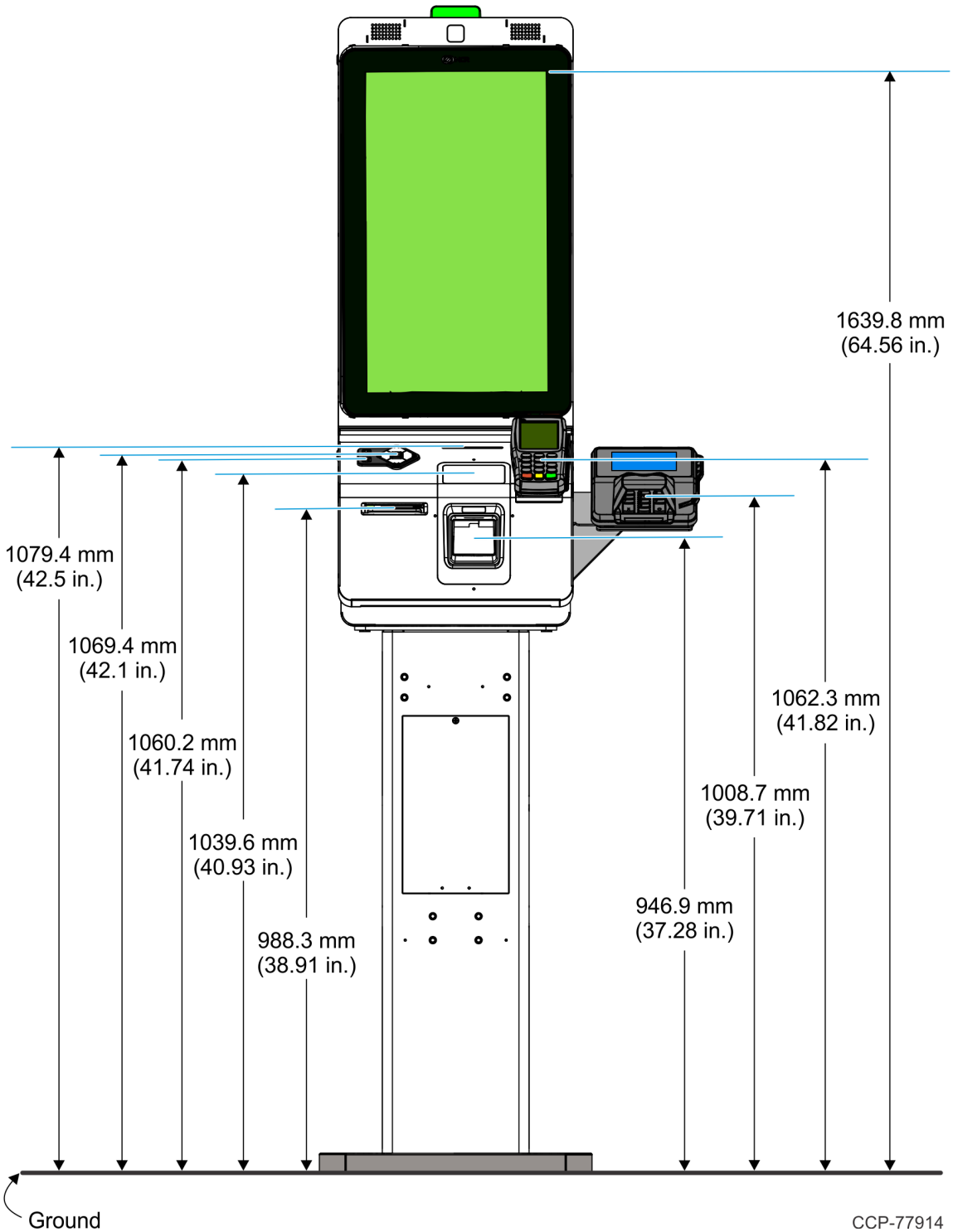
Depth from Front of Base (Pedestal Mount Configuration)

Front of Base

194 mm
(7.64 in.) - Coupon Chute

162.7 mm
(6.41 in.) - uNav

155.9 mm
(6.14 in.) - Audio Jack

123.4 mm
(4.86 in.) - NFC Reader

93.6 mm
(3.69 in.) - Receipt Printer

Front of Base

212.4 mm
(8.36 in.) - Touch Display

134.3 mm
(5.29 in.) - MX915

87.7 mm
(3.45 in.) - VX820

91.6 mm
(3.61 in.) - Barcode Scanner
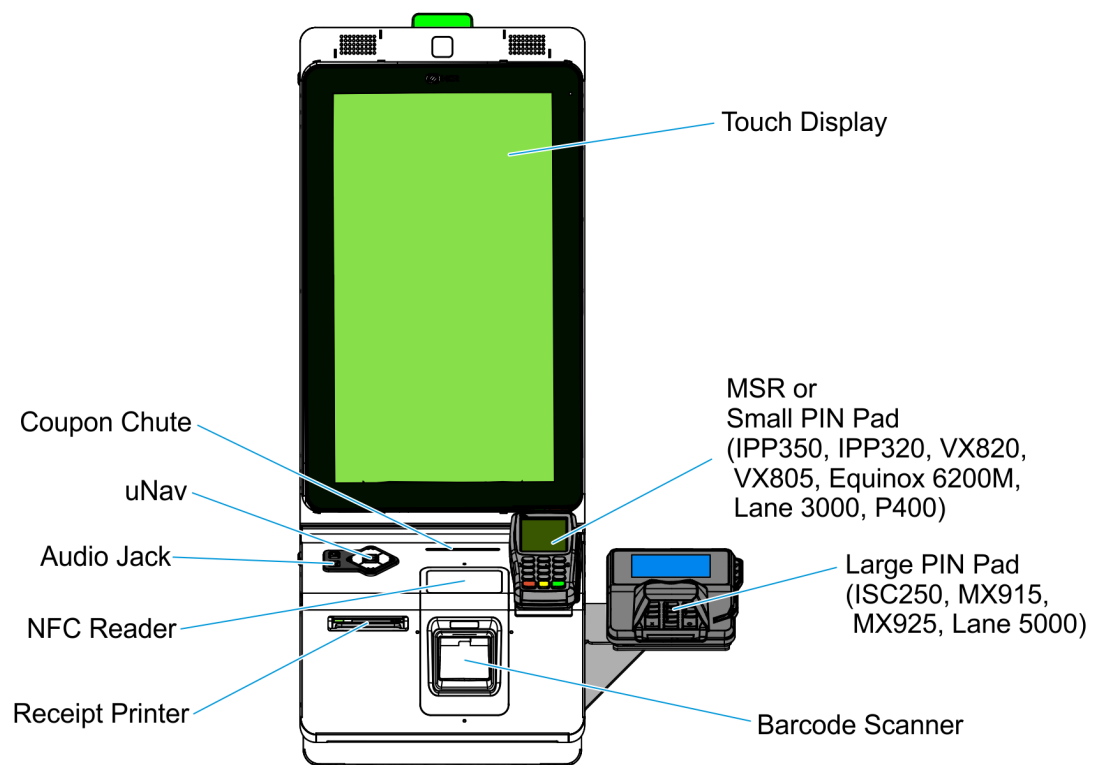
CCP-77916

Distance for Voice Guidance

This section provides the distance from the center of the Audio Jack to the reference point of each interface device that is installed on the NCR XK22 Kiosk unit. The direction from the Audio Jack to the interface devices is based on a 12-hour clock position relative to the <u>center of the clock</u>, which is the <u>center of the Audio Jack</u>.

Example: 12 o'clock means above the Audio Jack, 3 o'clock means to the right of the Audio Jack, 6 o'clock means below the Audio Jack, and 9 o'clock means to the left of the Audio Jack.

Interface Device	Reference Point	Direction	Distance between Interface Devices and Audio Jack (Point to Point)
Audio Jack	Center		
Receipt Printer	Center of paper exit slot	6	89.8 mm (3.54 in.)
Barcode Scanner	Center of scan area	5	200 mm (7.87 in.)
NFC Reader	Center of scan area	4	170 mm (6.69 in.)
PIN Pad (Ingenico Lane 5000)	No. 5 button	4	404.0 mm (15.91 in.)
PIN Pad (Verifone MX915)	No. 5 button	4	408.4 mm (16.08 in.)
PIN Pad (Verifone MX925)	No. 5 button	4	432.2 mm (17.02 in.)
MSR	Center of chute	3	248.8 mm (9.8 in.)
PIN Pad (Ingenico IPP320 or IPP350)	No. 5 button	3	253.5 mm (9.98 in.)
PIN Pad (Verifone P400)	No. 5 button	3	256.5 mm (10.10 in.)
PIN Pad (Ingenico Lane 3000)	No. 5 button	3	263.3 mm (10.37 in.)
PIN Pad (Verifone VX820 or VX850)	No. 5 button	3	300 mm (11.81 in.)

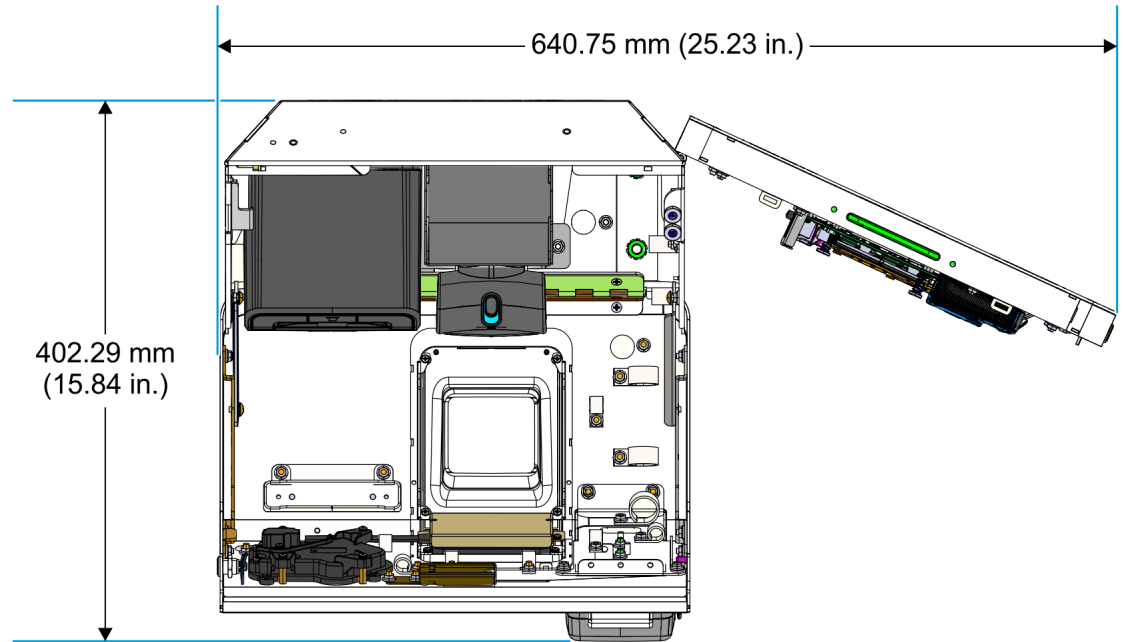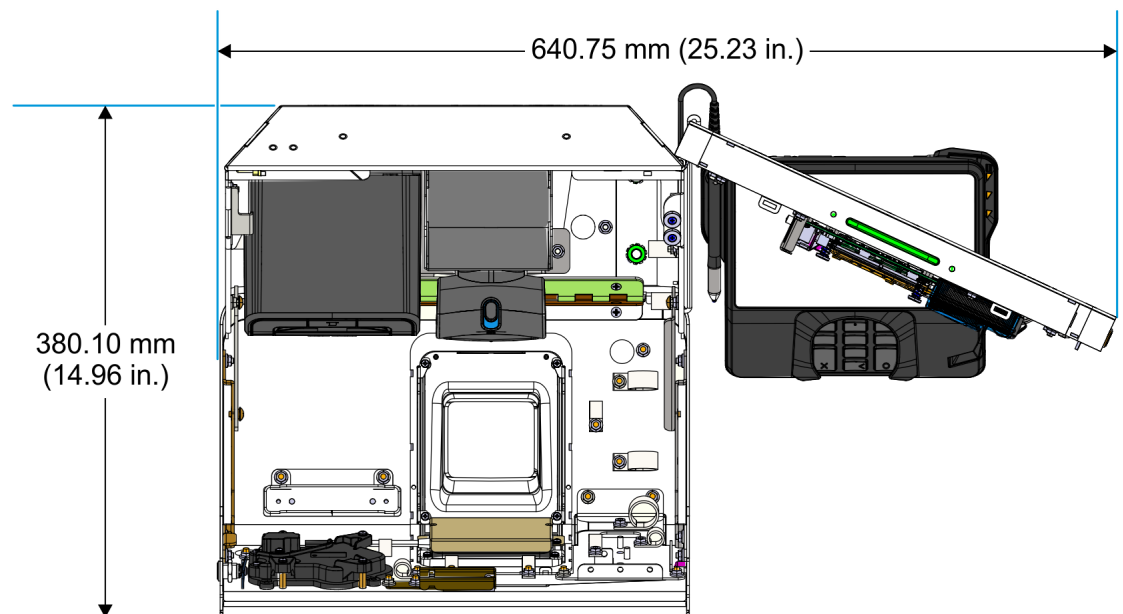| Interface Device	Reference Point	Direction	Distance between Interface Devices and Audio Jack (Point to Point)
PIN Pad (Equinox 6200M)	No. 5 button	3	300 mm (11.81 in.)
PIN Pad (Ingenico iSC250)	No. 5 button	3	382.4 mm (15.06 in.)
Coupon Chute	Center of paper entry slot	2	122.2 mm (4.81 in.)
uNav	Middle button	2	37.3 mm (1.47 in.)
Touchscreen/Display	Top of active display area	1	572.6 mm (22.54 in.)

Interface Devices

Touch Display

Coupon Chute

MSR or
Small PIN Pad
(IPP350, IPP320, VX820,
VX805, Equinox 6200M,
Lane 3000, P400)

uNav

Audio Jack

Large PIN Pad
(ISC250, MX915,
MX925, Lane 5000)

NFC Reader

Receipt Printer

Barcode Scanner

CCP-80009

Service Clearance

Kiosk with Small PIN Pad

640.75 mm (25.23 in.)

402.29 mm (15.84 in.)

CCP-77670

Kiosk with Large PIN Pad

640.75 mm (25.23 in.)

380.10 mm (14.96 in.)

CCP-77669

Countertop Mounting Details

Refer to the following sections for information on NCR XK22 Kiosk Countertop Mount installation:

- *Recommended Bolt Specifications* on the next page
- *Mounting Dimensions* on page 33
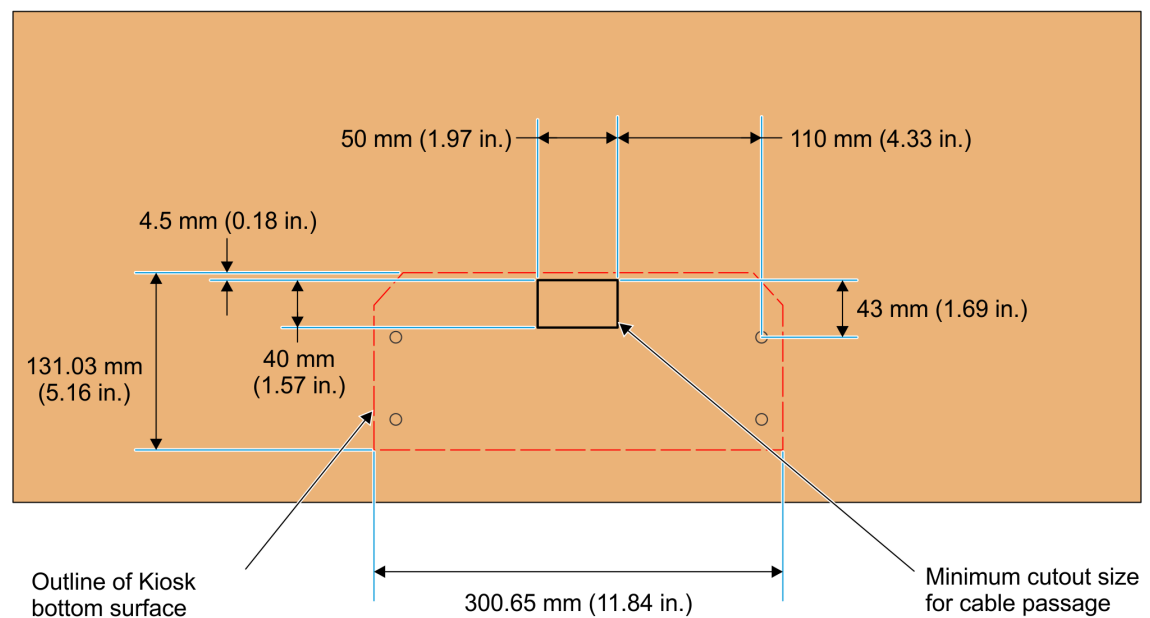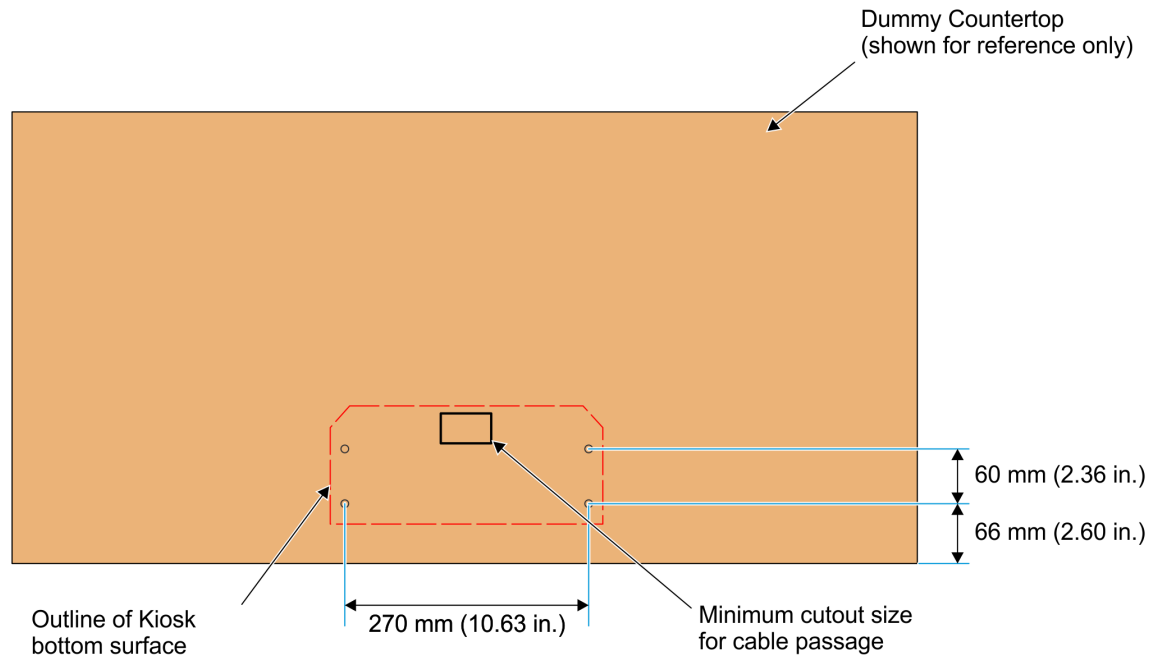- *Cable Routing Options* on page 34

Recommended Bolt Specifications

In Countertop Mount installation, the kiosk must be bolted to the counter top. The counter top construction determines the type of anchors to use: bolts and nuts, lag bolts, screws, and so forth. The anchors are not shipped with the kiosk and must be obtained locally.

NCR recommends to use the following bolt specifications for NCR XK22 Kiosk Countertop Mount:

· Flanged Hex Head Bolt

  · Thread size— M8 (5/16 in.)

  · Length — 45 mm (1.77 in.)

  📝 **Note:** Longer bolts are required if the counter top board thickness is greater than 25 mm (0.98 in.).

  · Quantity — 4 pieces

· Steel Flat Washer

  · Inside diameter — 8.4 mm (0.33 in.)

  · Outside diameter — 16 mm (0.63 in.)

  · Thickness — 1.4 to 1.8 mm (0.055 to 0.071 in.)

  · Quantity — 4 pieces

· Serrated Flange Locknut

  · Thread size — M8 (5/16 in.)

  · Quantity — 4 pieces

Mounting Dimensions

This section provides recommended dimensions for the Power/LAN cable passage cutout (if cables are routed under the countertop) and distances for bolt holes.

Dummy Countertop
(shown for reference only)

60 mm (2.36 in.)

66 mm (2.60 in.)

Outline of Kiosk
bottom surface

270 mm (10.63 in.)

Minimum cutout size
for cable passage

50 mm (1.97 in.)

110 mm (4.33 in.)

4.5 mm (0.18 in.)

43 mm (1.69 in.)

131.03 mm
(5.16 in.)

40 mm
(1.57 in.)

Outline of Kiosk
bottom surface

300.65 mm (11.84 in.)

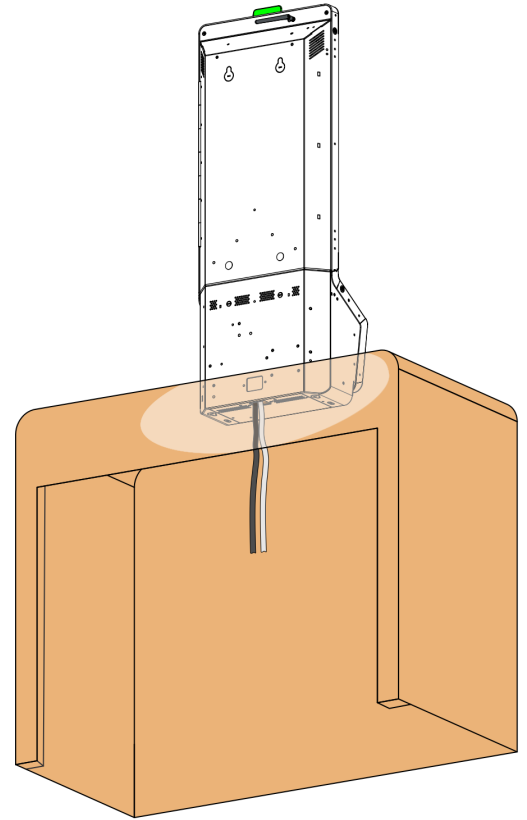Minimum cutout size
for cable passage

CCP-76678

Cable Routing Options

In Countertop Mount installation, cables may be routed either through the back of the kiosk or under the countertop.
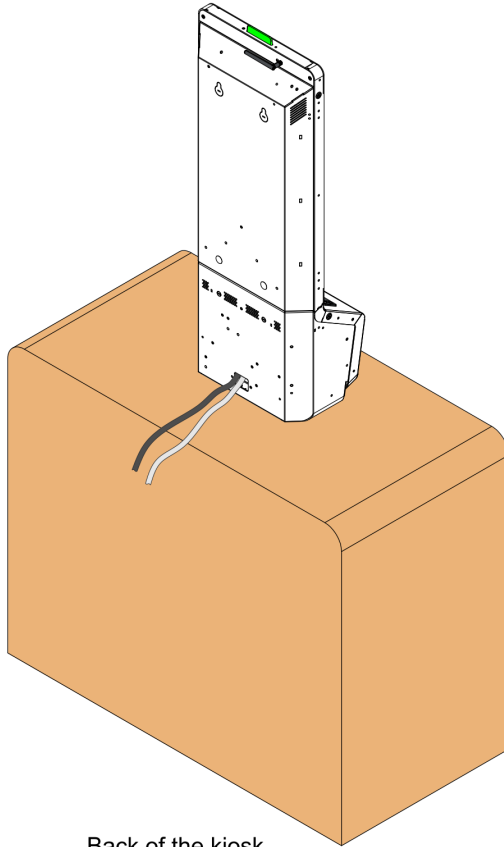
Back of the kiosk   Under the countertop

CCP-76677

Wall Mounting Details

Refer to the following sections for information on NCR XK22 Kiosk Wall Mount installation:

· *Recommended Bolt Specifications* on the next page

· *Mounting Dimensions* on page 37

· *Cable Routing Options* on page 39

Recommended Bolt Specifications

In Wall Mount installation, the type of screws used for installation depends on the type of wall the kiosk will be mounted on.

Concrete Wall Installation

For a concrete wall installation, NCR recommends to use the following bolt specifications:

- Removable Bolt Anchor

    - Diameter — M10 (3/8 in.)

    - Length — 57.15 mm (2-1/4 in.)

    - Thread size — M8 (5/16 in.)
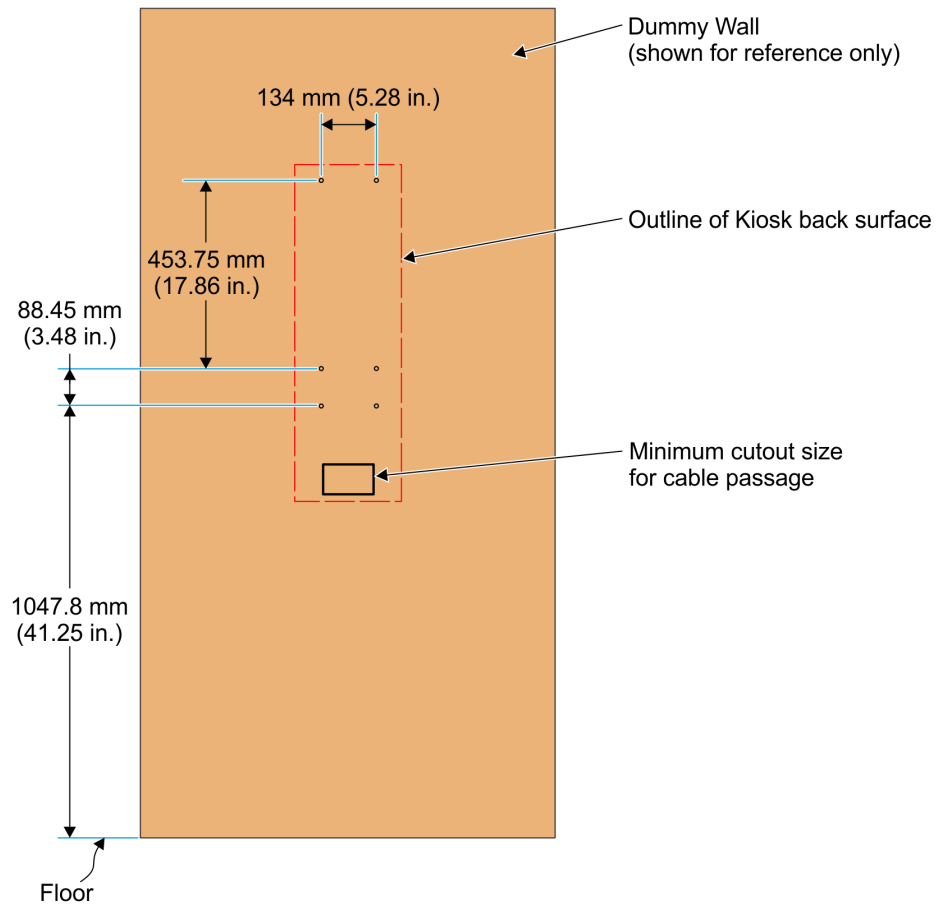
    - Quantity — 6 pieces
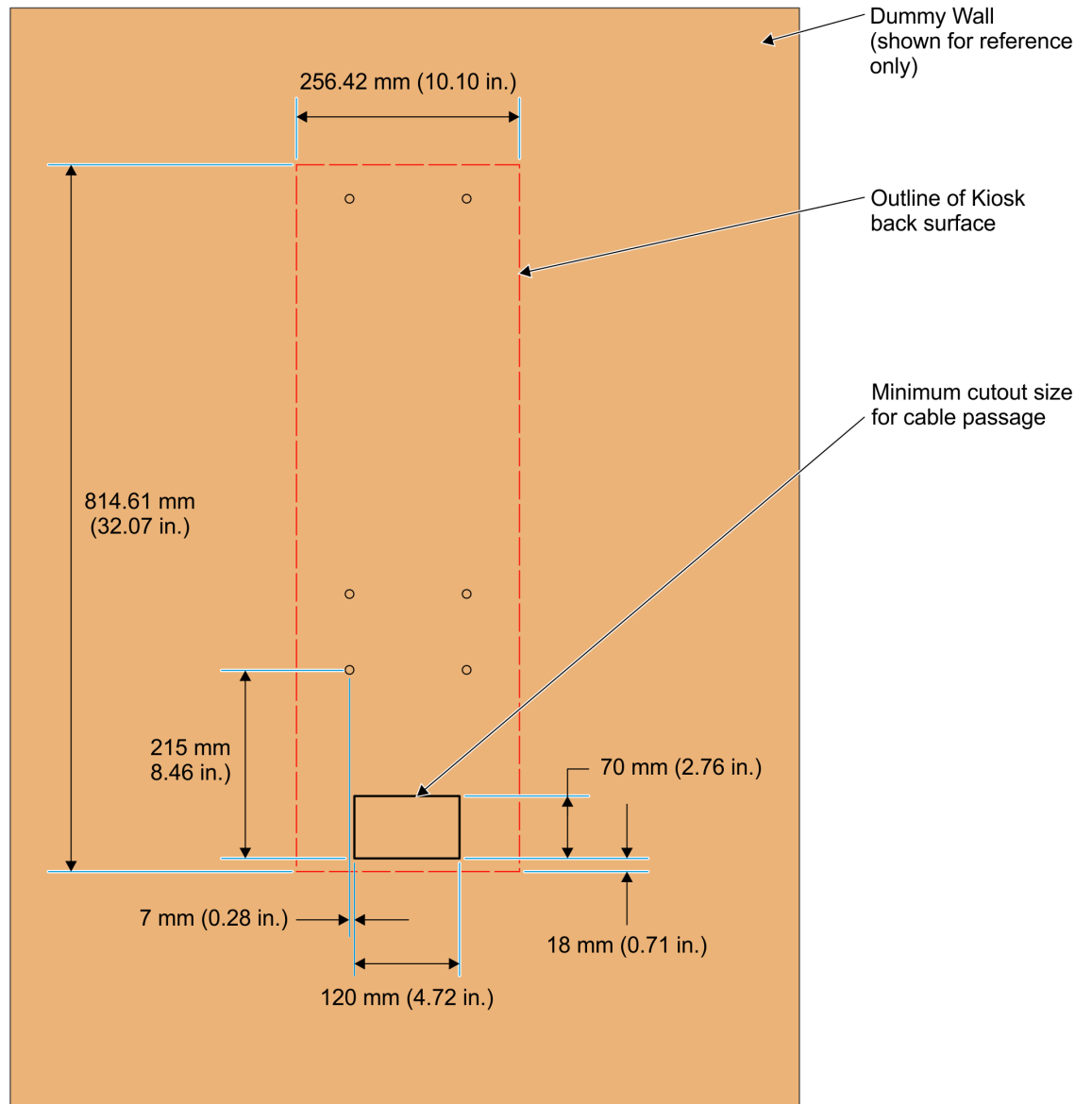
Dry Wall Installation

For a dry wall installation, NCR recommends to use the following anchor and bolt specifications:

- Flanged Hex Head Bolt

    - Thread size— M10 (3/8 in.)

    - Length — 63.5 mm (2-1/2 in.)

    - Quantity — 6 pieces

- Toggle Anchor

    - Thread size — 3/8 inches - 16

    - Quantity — 6 pieces

Mounting Dimensions

This section provides recommended dimensions for the Power/LAN cable passage cutout (if cables are routed through the cable access cutout on the wall) and recommended height from the floor to bolt holes.

Dummy Wall
(shown for reference only)

134 mm (5.28 in.)

Outline of Kiosk back surface

453.75 mm
(17.86 in.)

88.45 mm
(3.48 in.)

Minimum cutout size
for cable passage

1047.8 mm
(41.25 in.)

Floor

CCP-76676

Dummy Wall (shown for reference only)

256.42 mm (10.10 in.)

Outline of Kiosk back surface

Minimum cutout size for cable passage

814.61 mm (32.07 in.)

215 mm 8.46 in.)

70 mm (2.76 in.)

7 mm (0.28 in.)

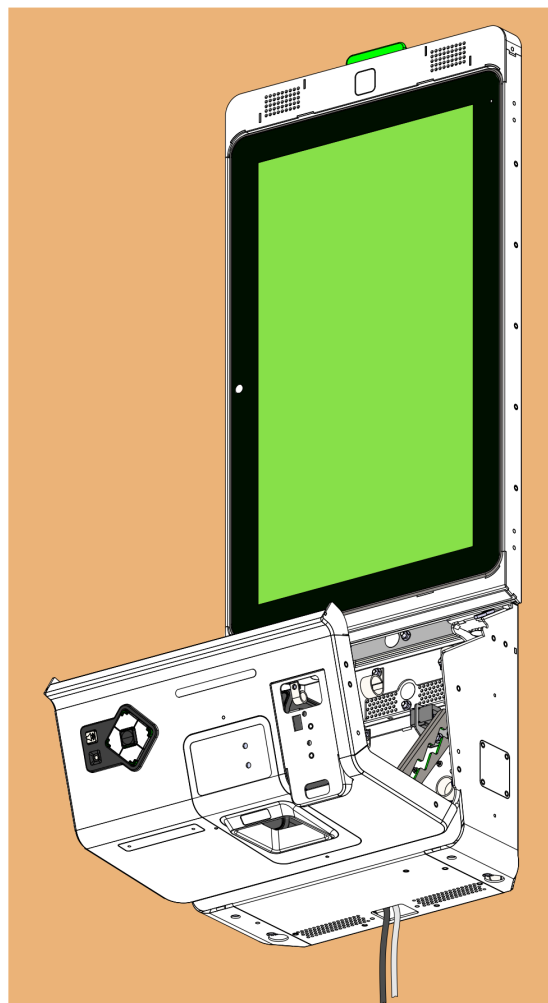18 mm (0.71 in.)

120 mm (4.72 in.)

CCP-77685

Cable Routing Options

In Wall Mount installation, cables may be routed either through the cable access cutout on the wall or through the base of the kiosk enclosure.
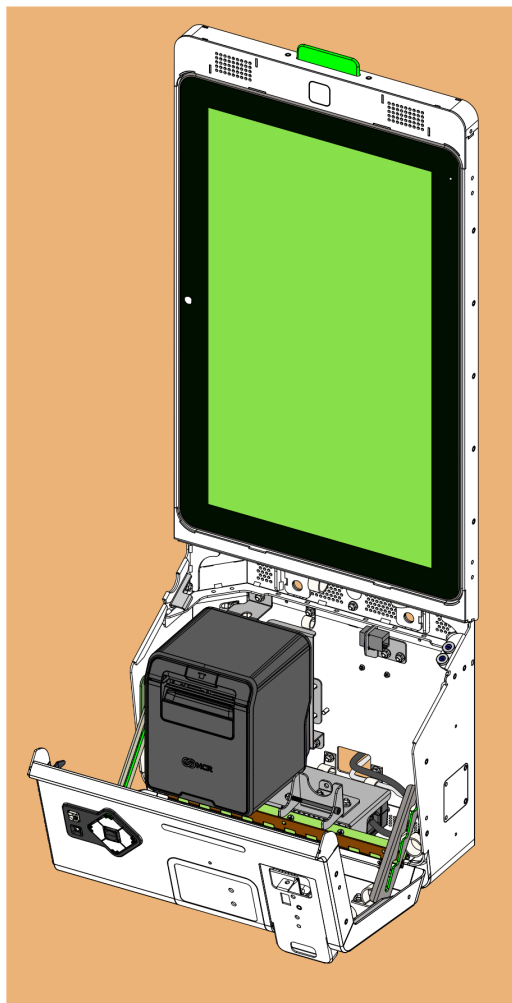
Through the cable access cutout on the wall

Through the base of the kiosk enclosure

CCP-77675

Pedestal Mounting Details

Refer to the following sections for information on NCR XK22 Kiosk Pedestal Mount installation:

- *Recommended Bolt Specifications* on the facing page

- *Mounting Dimensions* on page 42

- *Cable Routing Options* on page 43

Recommended Bolt Specifications

Note: The recommended bolt specifications indicated in this section are for Bolted Pedestal Mount installation only. For Free Standing Pedestal Mount installation, the bolts are already included in the Baseplate Kit.

In Bolted Pedestal Mount installation, the kiosk pedestal is bolted to the floor and cannot be transferred from one location to another. This option requires drilling bolt holes on the floor.

Note: The anchors are not shipped with the kiosk and must be obtained locally.

NCR recommends to use the following bolt specifications for NCR XK22 Kiosk Bolted Pedestal Mount:

· Removable Bolt Anchor

    · Diameter — M10 (3/8 in.)

    · Length — 57.15 mm (2.25 in.)

    · Thread size — 7.94 mm (5/16 in.), 18 pitch

    · Quantity — 4 pieces

· Steel Flat Washer

    · Inside diameter — 10.31 mm (0.406 in.)

    · Outside diameter — 22.225 mm (0.875 in.)

    · Thickness — 1.09 to 1.45 mm (0.043 to 0.057 in.)

   · Quantity — 4 pieces

Mounting Dimensions

This section shows distances for pedestal bolt holes.

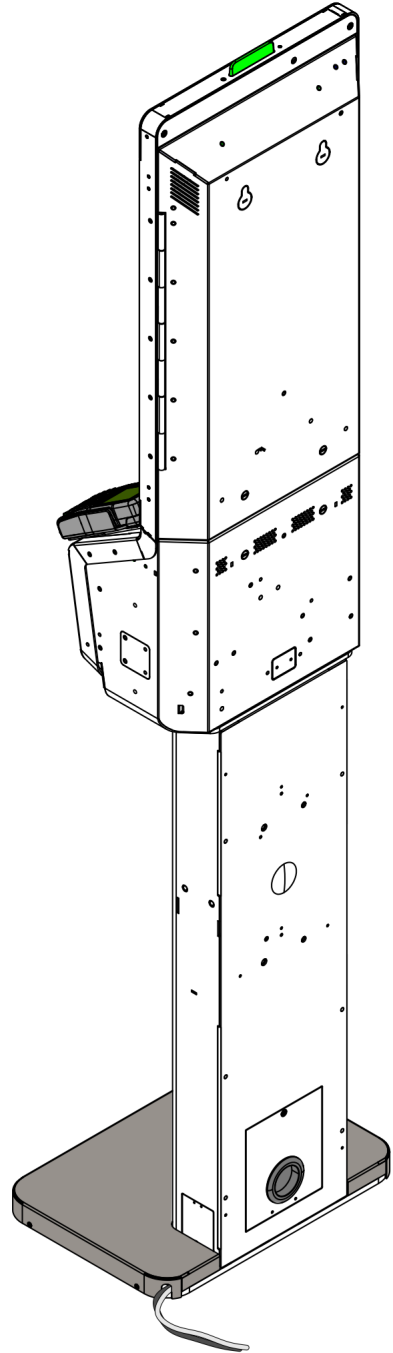234 mm
(9.21 in.)

344 mm (13.54 in.)
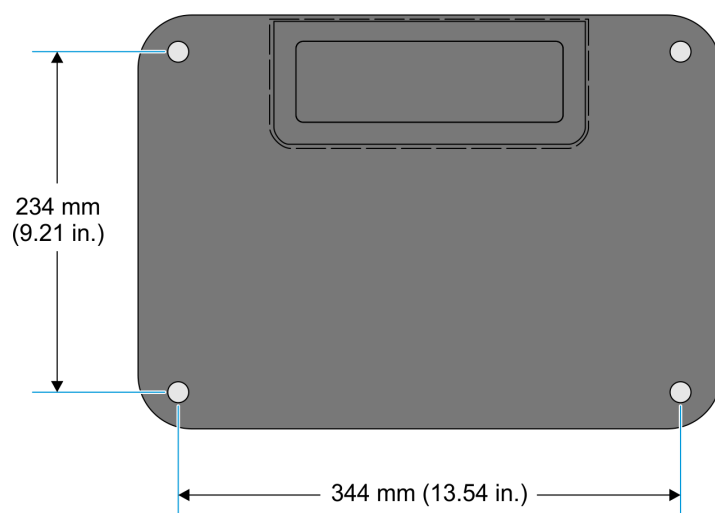
CCP-77674

Cable Routing Options

In Pedestal Mount installation, cables may be routed out of the pedestal either through the access hole on the back (for single—sided installation) or through the access hole on the right—hand side (for dual—sided installation).
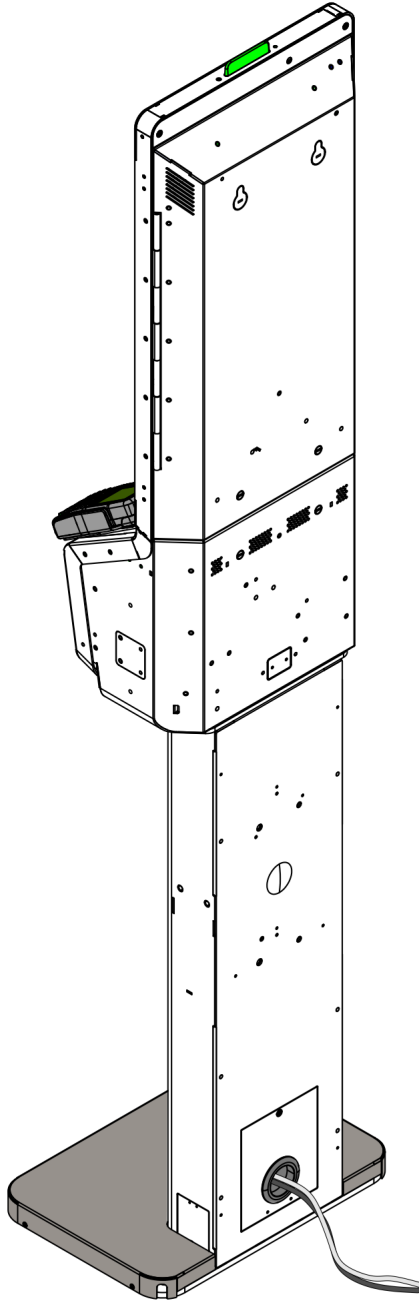
Through the access hole on the back
(Single-sided installation)

Through the cable access hole on the side
(Dual-sided installation)

CCP-77671