



# NCR CX7 All-in-One POS

## Site Preparation Guide

---

**7772**



BCC5-0000-5364

Issue P

# Copyright

---

The product described in this document is a licensed product of NCR Voyix Corporation.

NCR CX7 All-in-One POS (7772) is a trademark of NCR Voyix Corporation in the United States and/or other countries. Other product names mentioned in this publication may be trademarks or registered trademarks of their respective companies and are hereby acknowledged.

Where creation of derivative works, modifications or copies of this NCR Voyix copyrighted documentation is permitted under the terms and conditions of an agreement you have with NCR Voyix, NCR Voyix's copyright notice must be included.

It is the policy of NCR Voyix Corporation to improve products as new technology, components, software, and firmware become available. NCR Voyix, therefore, reserves the right to change specifications without prior notice.

All features, functions, and operations described herein may not be marketed by NCR Voyix in all parts of the world. In some instances, photographs are of equipment prototypes. Therefore, before using this document, consult with your NCR Voyix representative or NCR Voyix office for information that is applicable and current.

Copyright © 2019–2024  
By NCR Voyix Corporation  
Atlanta, Georgia, USA  
All Rights Reserved

# Preface

---

This is a contractual document. It contains important warnings and confers important legal rights and obligations. You are advised to read it carefully.

It is the responsibility of the customer to ensure that all installation preparations are complete and in compliance with NCR Voyix specifications and requirements and all applicable national, state, or local codes, regulations, and laws.

## Audience

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



### Note

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

# Table of Contents

---

<b>NCR CX7 All-in-One POS (7772) Site Preparation</b>	<b>11</b>
About this Document	12
Customer Responsibilities	14
Third-Party Peripheral Certification	15
LAN Communications	15
Airflow Requirements	16
Environmental Requirements	17
Barometric Pressure	17
Temperature and Humidity	17
Electrical Requirements	18
Terminal Power Requirements	18
Peripheral Power Requirements	18
Store AC Wiring Requirements	18
Dimensions	19
CX7 Base	19
Base with Remote Power Supply (F033/F035/F043/F045)	19
Base with Integrated Power Supply (F032/F034/F042/F044)	19
CX7 Remote I/O Chassis	20
Remote USB Centric I/O (Retail) Chassis (F038/F048)	20
Metal Chassis	20
Plastic Chassis	20
Remote Serial Centric I/O (Hospitality) Chassis (F039/F049)	20
CX7 15" 4:3 Display (F013)	21
With Biometrics (F151/K151) and MSR (F141/K141)	21



---

With 2-in-1 Sign-In (F161/K161) .....	22
With Imager (Port B) (F156/K156) .....	22
With Imager (Port C) (F166) .....	23
With UV Bill Validator (F157/K157) .....	23
With External Speaker (F169/K169) .....	24
With Camera (F460/K460) .....	24
With Keypad (F149/K149) .....	25
CX7 15" 4:3 Display with Base .....	26
Tilt Angle .....	27
With APA Graphical Display (F451/F471/K451/K471) .....	28
Tilt Angle .....	29
With 2x20/Double Byte Customer Display (F461/F462) .....	30
Tilt Angle .....	31
With 7" (XL7) Customer Display (F452/F453/K452) .....	32
Tilt Angle .....	32
With 10" TES Base Display (F446) .....	33
Tilt Angle .....	33
With 10" (XL10) Base Display (F435/F436/F439/F455/F456/K455) .....	34
Tilt Angle .....	34
With High Mount 10" TES Customer Display (F434) .....	35
Tilt Angle .....	35
With High Mount 10" (XL10) (USB-C) Customer Display (F475/F476) .....	36
Tilt Angle .....	37
With High Mount 10" (XL10) DP Customer Display (F437/F438) .....	38
Tilt Angle .....	38
CX7 15" 4:3 Display with Integrated I/O (F046/F047) .....	40

---

With Wall Mount (7772-K320) .....	40
With Wall Mount, Power Supply (7772-K325) .....	41
CX7 15" 4:3 Display Mounts for Remote I/O .....	42
With Pole Mount (7772-K400) .....	42
Tilt Angle .....	42
With Wall Mount (7772-K320) .....	43
With Wall Mount, Power Supply (7772-K325) .....	43
CX7 15.6" 16:9 Display (F016) .....	44
With Biometrics (F151/K151) and MSR (F141/K141) .....	44
With 2-in-1 Sign-In (F161/K161) .....	44
With Imager (Port B) (F156/K156) .....	45
With Imager (Port C) (F166) .....	45
With UV Bill Validator (F157/K157) .....	46
With External Speaker (F169/K169) .....	46
With Camera (F460/K460) .....	47
With Keypad (F149/K149) .....	47
CX7 15.6" 16:9 Display with Base .....	48
Tilt Angle .....	49
With APA Graphical Display (F451/F471/K451/K471) .....	50
Tilt Angle .....	51
With 2x20/Double Byte Customer Display (F461/F462) .....	52
Tilt Angle .....	53
With 7" (XL7) Customer Display (F452/F453/K452) .....	54
Tilt Angle .....	54
With 10" TES Base Display (F446) .....	55
Tilt Angle .....	55

---

With 10" (XL10) Base Display (F435/F436/F439/F455/F456/K455)	56
Tilt Angle	56
With High Mount 10" TES Customer Display (F434)	57
Tilt Angle	57
With High Mount 10" (XL10) (USB-C) Customer Display (F475/F476)	58
Tilt Angle	59
With High Mount 10" (XL10) DP Customer Display (F437/F438)	60
Tilt Angle	60
CX7 15.6" 16:9 Display with Integrated I/O (F036/F037)	62
With Wall Mount (7772-K320)	62
With Wall Mount, Power Supply (7772-K325)	63
CX7 15.6" 16:9 Display Mounts for Remote I/O	64
With Pole Mount (7772-K400)	64
Tilt Angle	64
With Wall Mount (7772-K320)	65
With Wall Mount, Power Supply (7772-K325)	65
CX7 18.5" Display Only (F018)	66
With Biometrics (F151/K151) and MSR (F141/K141)	66
With 2-in-1 Sign-In (F161/K161)	67
With Imager (Port B) (F156/K156)	67
With Imager (Port C) (F166)	68
With UV Bill Validator (F157/K157)	68
With External Speaker (F169/K169)	69
With Camera (F460/K460)	69
With Keypad (F149/K149)	70
CX7 18.5" Display with Base	71

---

Tilt Angle .....	72
With APA Graphical Display (F491) .....	73
Tilt Angle .....	74
With 7" (XL7) Customer Display (F492/F493) .....	75
Tilt Angle .....	75
With 10" TES Base Display (F446) .....	76
Tilt Angle .....	76
With 10" (XL10) Base Display (F435/F436/F455/F456/K455) .....	77
Tilt Angle .....	77
CX7 18.5" Display with Integrated I/O (F036/F037) .....	78
With Wall Mount (7772-K320) .....	78
With Wall Mount, Power Supply (7772-K325) .....	79
CX7 18.5" Display Mounts for Remote I/O .....	80
With Pole Mount (7772-K400) .....	80
Tilt Angle .....	80
With Wall Mount (7772-K320) .....	81
With Wall Mount, Power Supply (7772-K325) .....	81
CX7 21.5" Display Only (F022) .....	82
With Biometrics (F151/K151) and MSR (F141/K141) .....	82
With Imager (Port B) (F156/K156) .....	82
With Imager (Port C) (F166) .....	83
With UV Bill Validator (F157/K157) .....	83
With Camera (F551) .....	84
CX7 21.5" Display with Integrated I/O (F036) .....	85
With Wall Mount (7772-K320) .....	85
With Wall Mount, Power Supply (7772-K325) .....	86

---

CX7 21.5" Display Mounts for Remote I/O .....	87
With Pole Mount (7772-K400) .....	87
Tilt Angle .....	87
With Wall Mount (7772-K320) .....	88
With Wall Mount, Power Supply (7772-K325) .....	88
Power Supply .....	89
Terminal Weight .....	90
Shipping Weight and Dimensions .....	92
Cable Routing .....	94
Base .....	94
Pole Mount .....	94

# Revision Record

---

Issue	Date	Remarks
A	Jul 2019	First Issue
B	Nov 2019	Release 1.1
C	Jun 2020	Release 1.2
D	Aug 2020	Release 1.3
E	Jan 2021	Release 1.4
F	Mar 2021	Added tilt angle
G	Jun 2021	Release 1.5 and 1.7
H	Sep 2021	Release 1.6 – 5MP Camera
I	Dec 2021	Release 1.9 - High Mount 10" (XL10) Customer Display (15" 4:3 and 15.6" 16:9)
J	Dec 2021	Added Added F471 OSI APA Graphical Display
K	May 2022	Release 1.10 - Keypad
L	Dec 2022	Updated F038/F039/F048/F049 dimensions
M	Jun 2023	Added Display with Base dimensions
N	Oct 2023	Added F434, F435, F436, F437. F438, F439, F446
O	May 2024	Updated links from ncr.com to ncrvoyix.com
P	Dec 2024	Release 2.1 - F022 21.5" Display, F551 5MP Camera for 21.5" Display

# NCR CX7 All-in-One POS (7772) Site Preparation

---

This section provides the information necessary to prepare a site to NCR Voyix specifications prior to installing an NCR CX7 All-in-One POS (7772). Prepare the site properly before installing the terminal because site preparation deficiencies may be difficult to detect and correct after installation.



CCP-76587

This is a contractual document. It contains important warnings and confers important legal rights and obligations. You are advised to read it carefully.

It is the responsibility of the customer to ensure that all installation preparations are complete and in compliance with NCR Voyix specifications and requirements and all applicable national, state, or local codes, regulations, and laws.

# About this Document

This book provides site preparation information for the NCR CX7 All-in-One POS (7772) only. Site preparation for any peripheral components, AC wiring, and Network wiring are NOT provided in this book, but are in separate documents.

This document contains the information necessary for the preparation of a site that conforms to NCR Voyix specifications. It is very important that the site complies with the requirements specified in the document because, once the equipment has been installed, deficiencies in site preparation or the problems caused by these deficiencies are much more difficult to detect and correct. Furthermore, failure to comply with these requirements or to take proper steps to protect equipment against risks identified in this document may cause serious damage to the equipment and to the customer's business.

In addition to the need to comply with the requirements specified, electrical wiring and mechanical systems must also comply with all relevant codes, laws, and regulations.

It is important that a customer or his agent who is fully conversant with the special requirements of electronic equipment prepare the site. The responsibility of ensuring that the site is prepared in compliance with this document remains with the customer.

For information and guidance purposes only, a list is provided, in general terms, of those matters for which the customer is responsible. This list is not intended to be comprehensive, and in no way modifies, alters, or limits the responsibility of the customer for all aspects of adequate site preparation.

NCR Voyix staff will be available to answer questions relating to the contents of this document except where:

- A customer has been notified that a full or partial consultant service is available and/or that NCR Voyix will be willing to undertake a preliminary or final site survey and
- The customer shall have entered into a formal contract with NCR Voyix for provision of the same.



No comment, suggestion, or advice offered or not offered about preparation of the site, nor any inspection of the site, whether before or after preparation, is to be taken as approval of the location of the site and equipment or its preparation. NCR Voyix will not be liable in respect to any comment, suggestion, or advice given by its staff or in respect to any failure to give advice.

Finally, only the customer can know the full extent of the damage that may be caused to his business by reason of failure of the equipment that is to be installed. For this reason, it is the customer's responsibility to ascertain the extent of any such possible damage to his existing or planned business, and to effect full insurance in respect of it.

# Customer Responsibilities

Before installing the system, the customer must perform or provide the following:

- When required by NCR Voyix, provide the NCR Voyix Customer Services representative with appropriate drawings that indicate:
  - Equipment location
  - 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
- Ensure 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 environment systems that limit or control static electricity build-up and discharge

In general, keep the NCR Voyix 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 POS terminal or a potential ESD issue can occur. Third party peripherals include any electrically powered devices connected to the POS terminal that is not an NCR Voyix branded product or a certified solution advocated by NCR Voyix. Examples of third party products include printers, external disk drives, cash drawers, pin pad devices, etc.

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

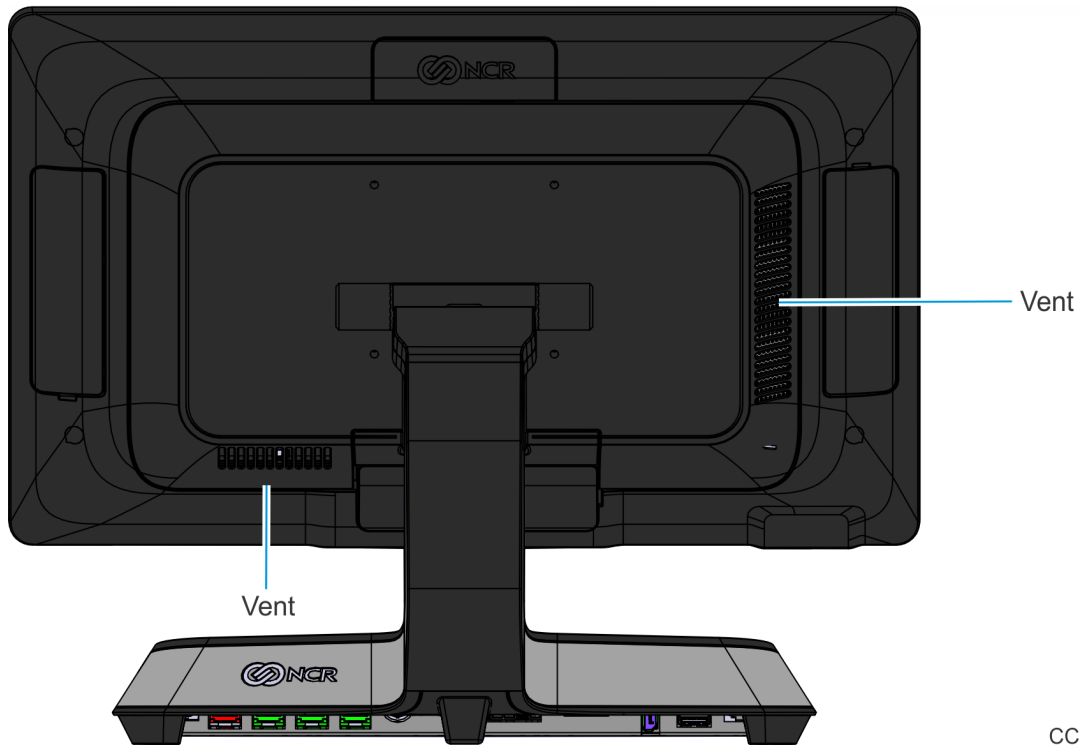
The [NCR Workstation and Peripherals AC Wiring Guide](#) (BST0-2115-53) contains additional information on this subject.

## LAN Communications

The NCR CX7 All-in-One POS (7772) supports and prefers Ethernet 10/100/1000baseT Local Area Network (LAN) communication protocol. For Ethernet communications wiring specifications, refer to the [NCR Ethernet Communication Wiring Guide](#) (BST0-2118-82).

# Airflow Requirements

Do not block the air vents on the terminal or peripherals. These vents are necessary for cooling.



CCP-76599

Do not place the terminal in an enclosed area where sufficient ventilation is not available. Leave at least 100 mm (4 inches) of clearance from air vents.

# Environmental Requirements

## Barometric Pressure

The terminal operates within the following barometric pressure conditions:

- Maximum operating altitude: 3,000 m (9,840 ft.)
- Operating range of pressure: 105 to 70 kPa (15.2 to 10.2 lb./in.)

## Temperature and Humidity

The NCR CX7 All-in-One POS (7772) is designed to operate in a CES Working Range 3, which is applicable to a broad spectrum of fully to partially conditioned office and commercial environments. This includes environments where—dependent upon local climatic conditions—heating, cooling, and humidity control capability may not be provided at all or be inadequate to maintain desirable human comfort levels on a day-to-day basis.

Ranges	Temperature	Relative Humidity	Dew Point
Operating Range	10°C to 40°C (50°F to 104°F)	20–80%	26°C (78.8°F)
Storage Range	–10°C to 50°C (–14°F to 122°F)	10–90%	N/A
Transit Range	–40°C to 60°C (–40°F to 140°F)	5–95%	N/A

# Electrical Requirements

## Terminal Power Requirements

The external power supply of the terminal has a maximum output of 150 Watts and provides power to the terminal and its peripherals.

Voltage Range	Frequency	Current
100-240 V	50-60 Hz	2.0 A

### Caution

Locate the power supply away from other electrical equipment, away from heat sources, away from possible liquid spills, and where there is adequate clearance for cooling.

## Peripheral Power Requirements

The number of peripherals that the terminal can support is dependent upon which peripherals are connected. For planning purposes, use the [NCR CX7 All-in-One POS \(7772\) Power Matrix](#) for details on total power distribution.

### Note

This file requires Microsoft Excel to run.

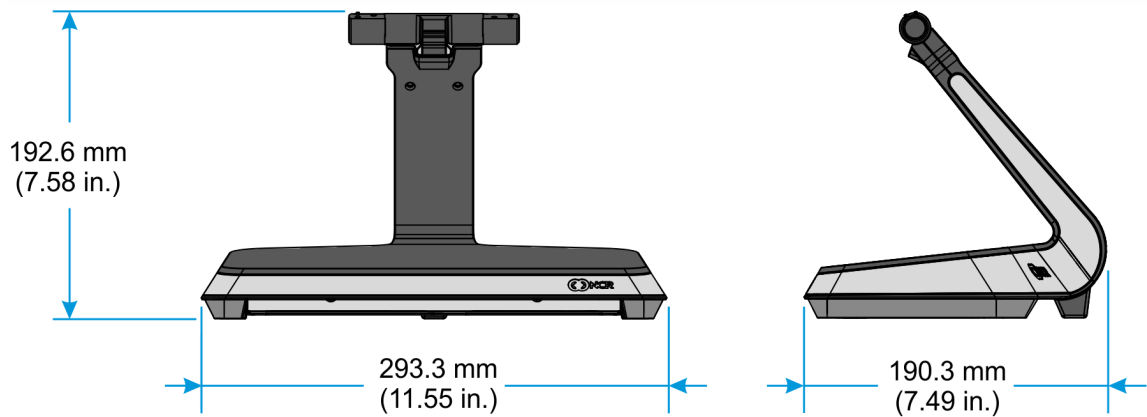
## Store AC Wiring Requirements

The customer must provide suitable AC power for the terminals, associated equipment, and devices. We recommend a dedicated unswitched power line specific for the NCR Voyix equipment installation. Refer to the [NCR Workstation and Peripherals AC Wiring Guide \(BSTO-2115-53\)](#) for store AC wiring requirements. The AC outlet must be installed near the terminal and easily accessible to the operator.

# Dimensions

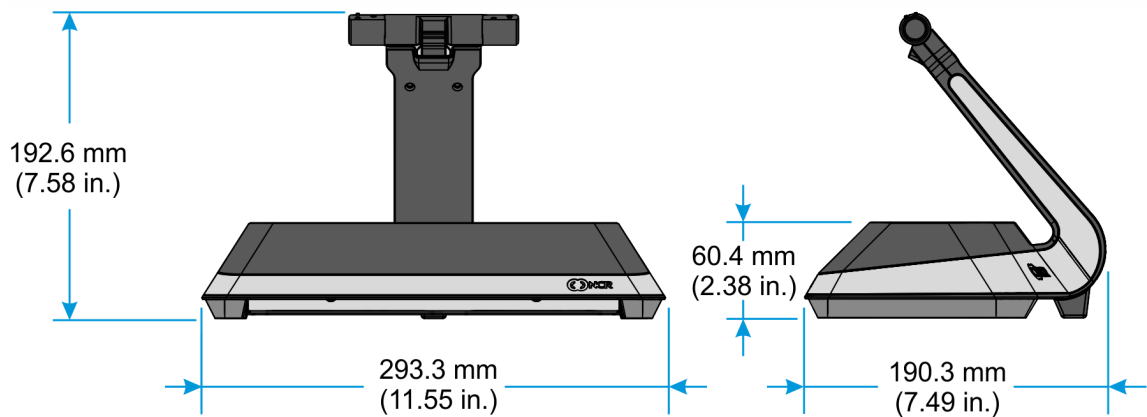
## CX7 Base

### Base with Remote Power Supply (F033/F035/F043/F045)



CCP-77025

### Base with Integrated Power Supply (F032/F034/F042/F044)

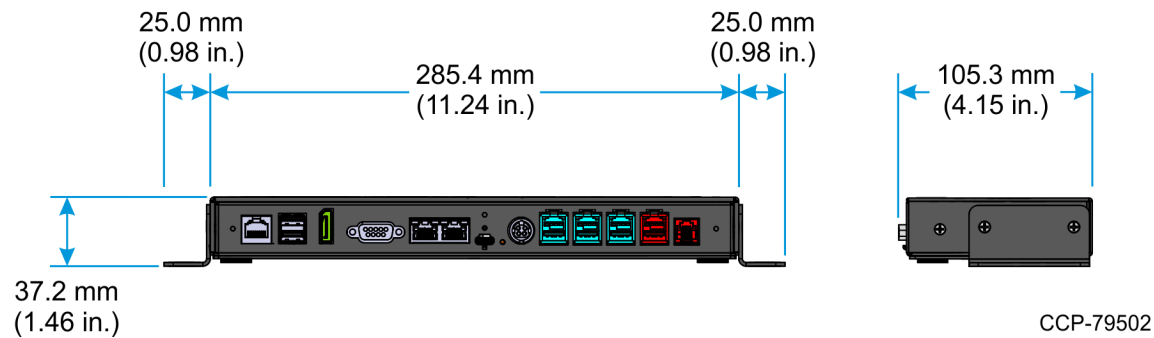


CCP-77060

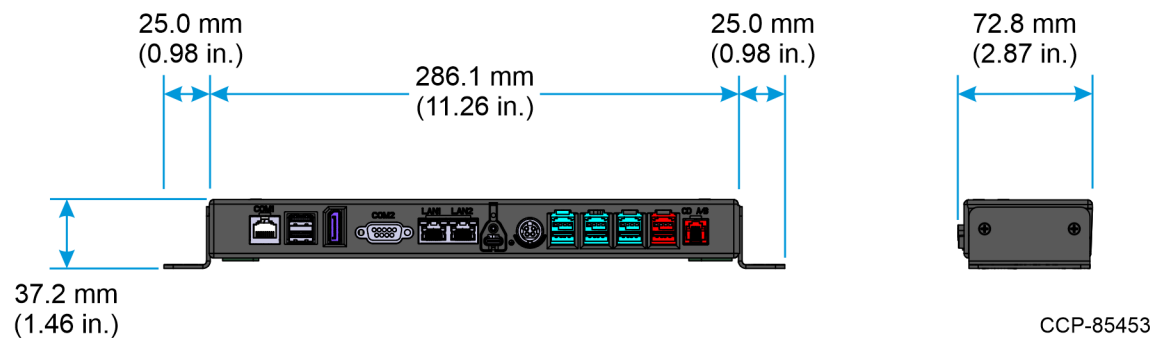
# CX7 Remote I/O Chassis

## Remote USB Centric I/O (Retail) Chassis (F038/F048)

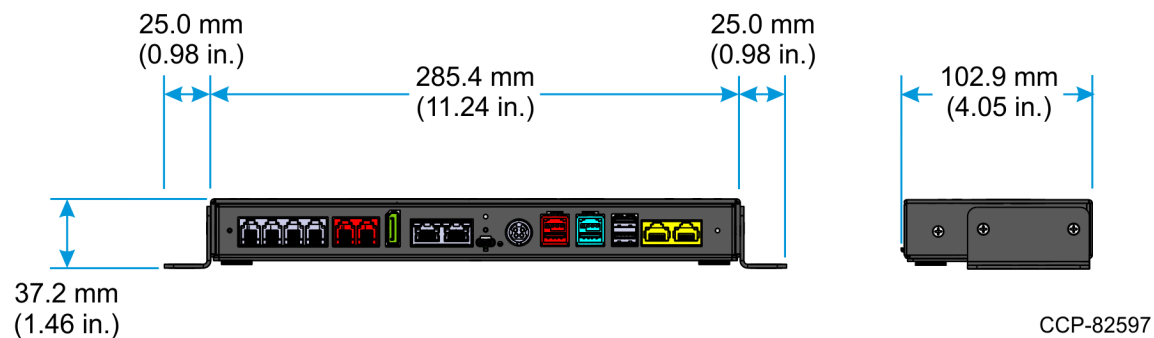
### Metal Chassis



### Plastic Chassis



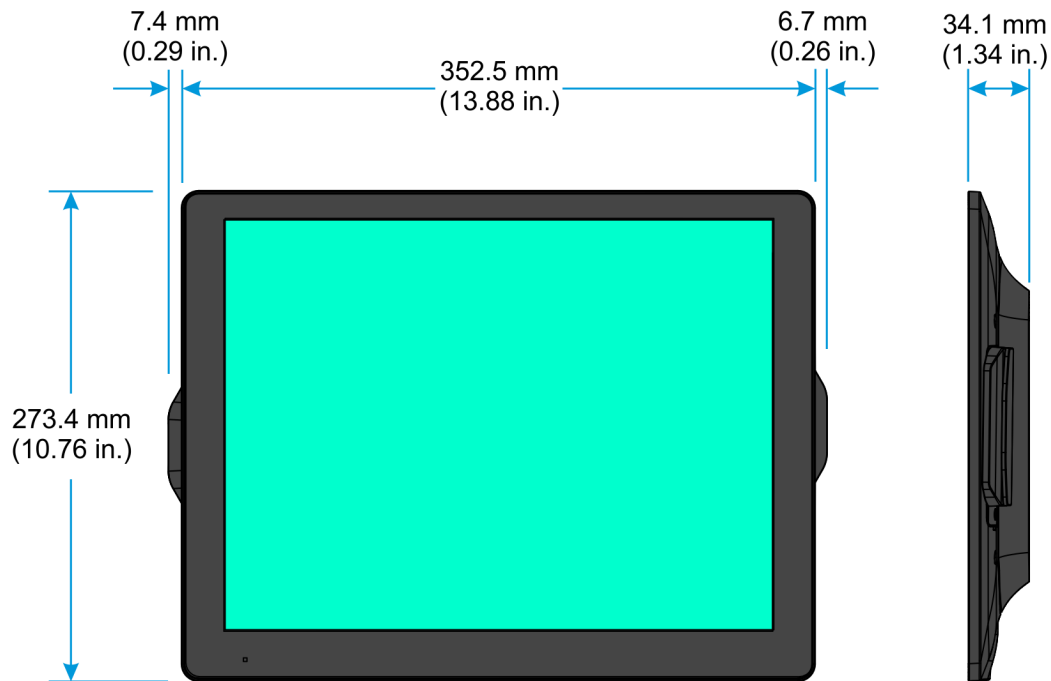
## Remote Serial Centric I/O (Hospitality) Chassis (F039/F049)





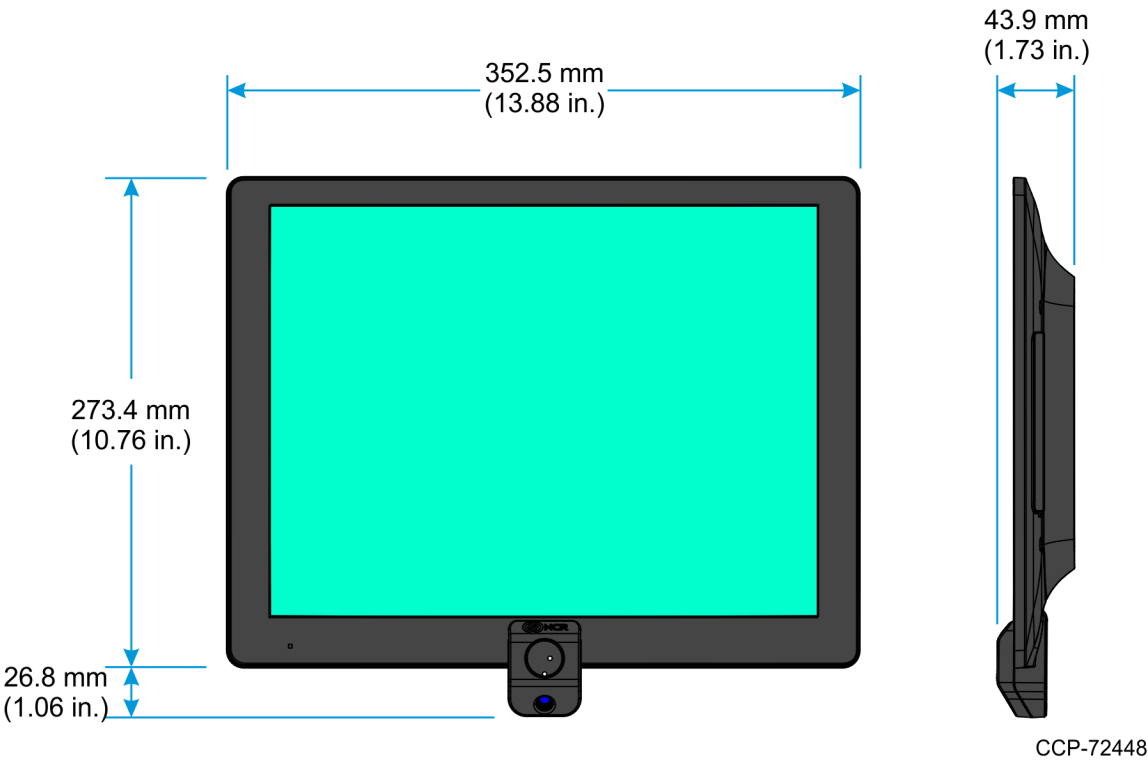
# CX7 15" 4:3 Display (F013)

## With Biometrics (F151/K151) and MSR (F141/K141)

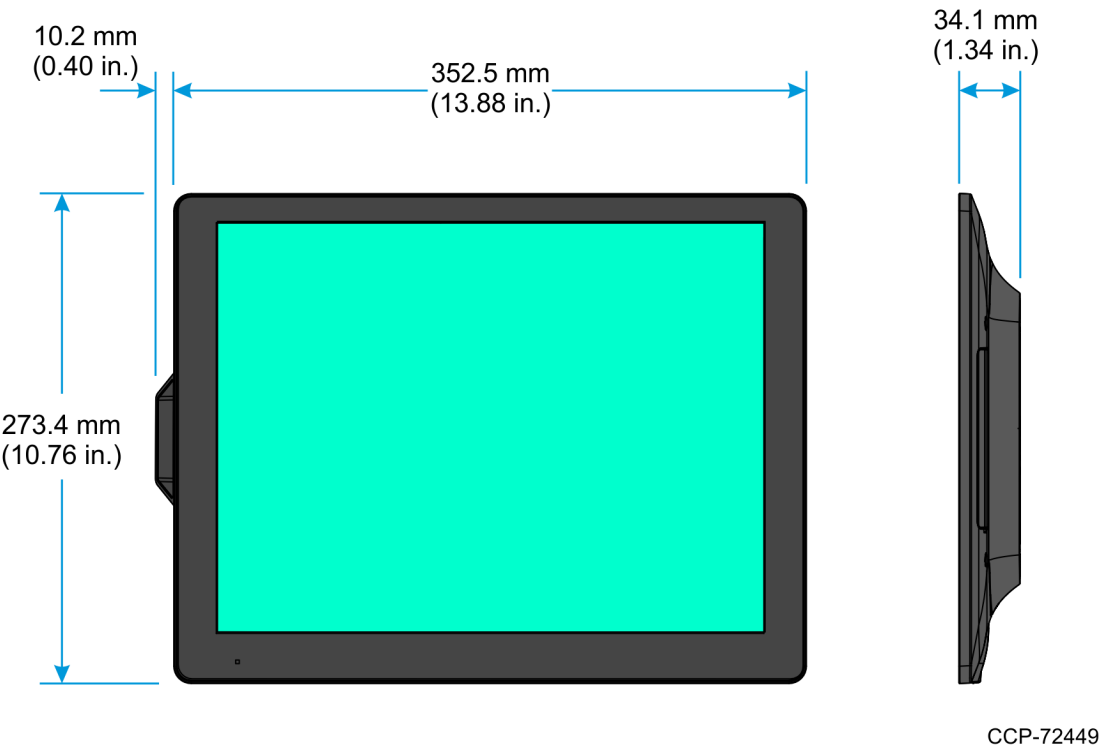


CCP-72447

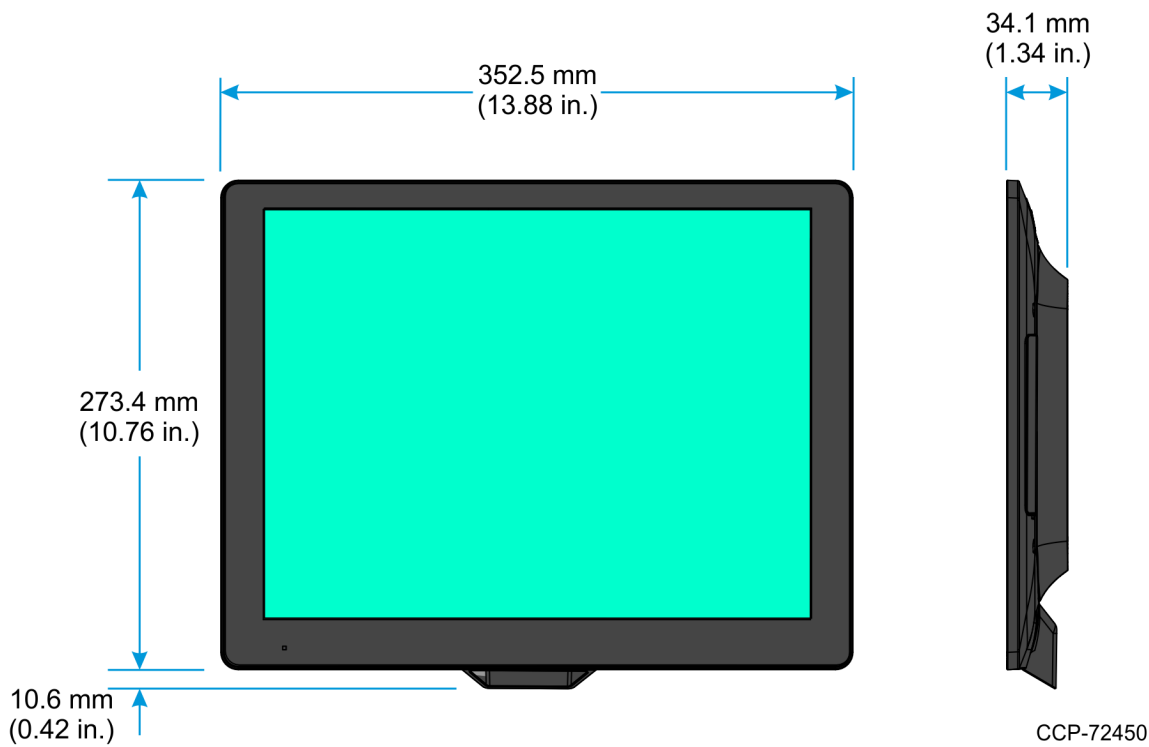
**With 2-in-1 Sign-In (F161/K161)**



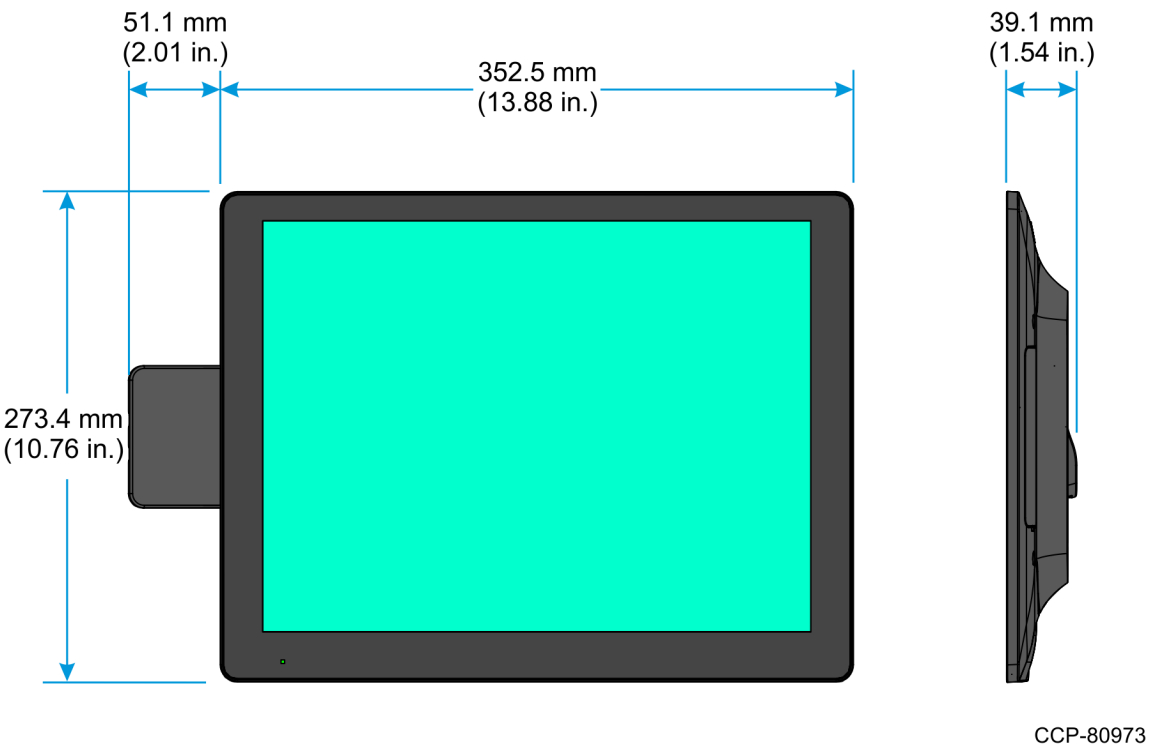
**With Imager (Port B) (F156/K156)**



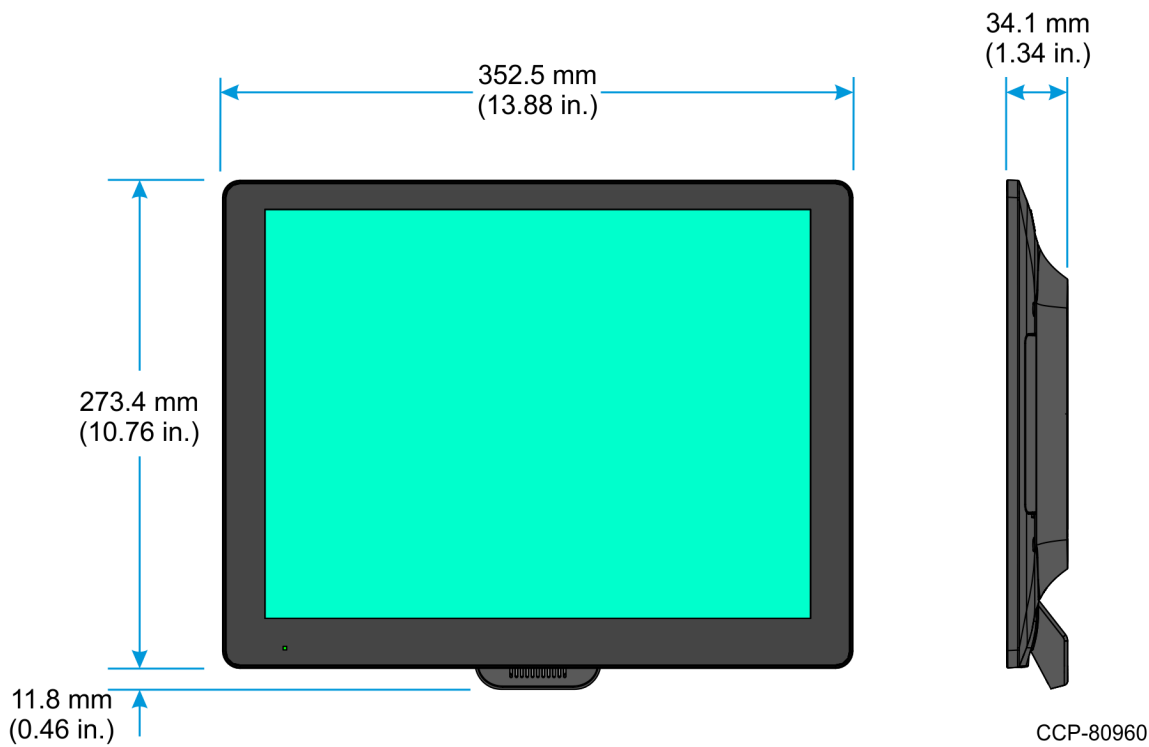
**With Imager (Port C) (F166)**



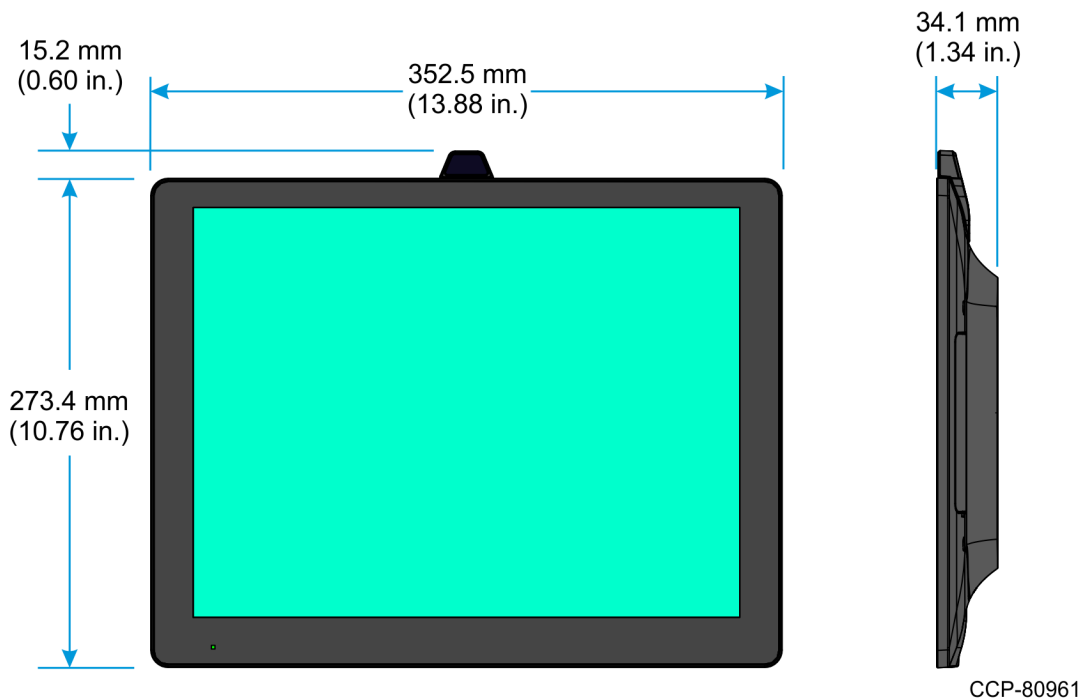
**With UV Bill Validator (F157/K157)**



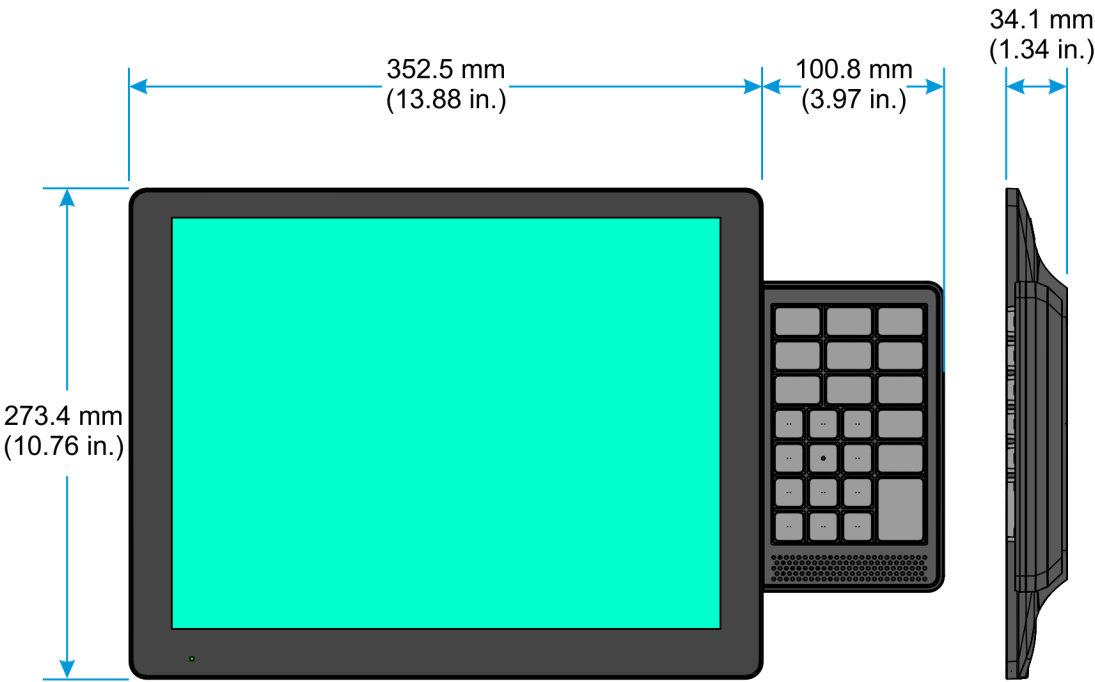
# With External Speaker (F169/K169)



# With Camera (F460/K460)

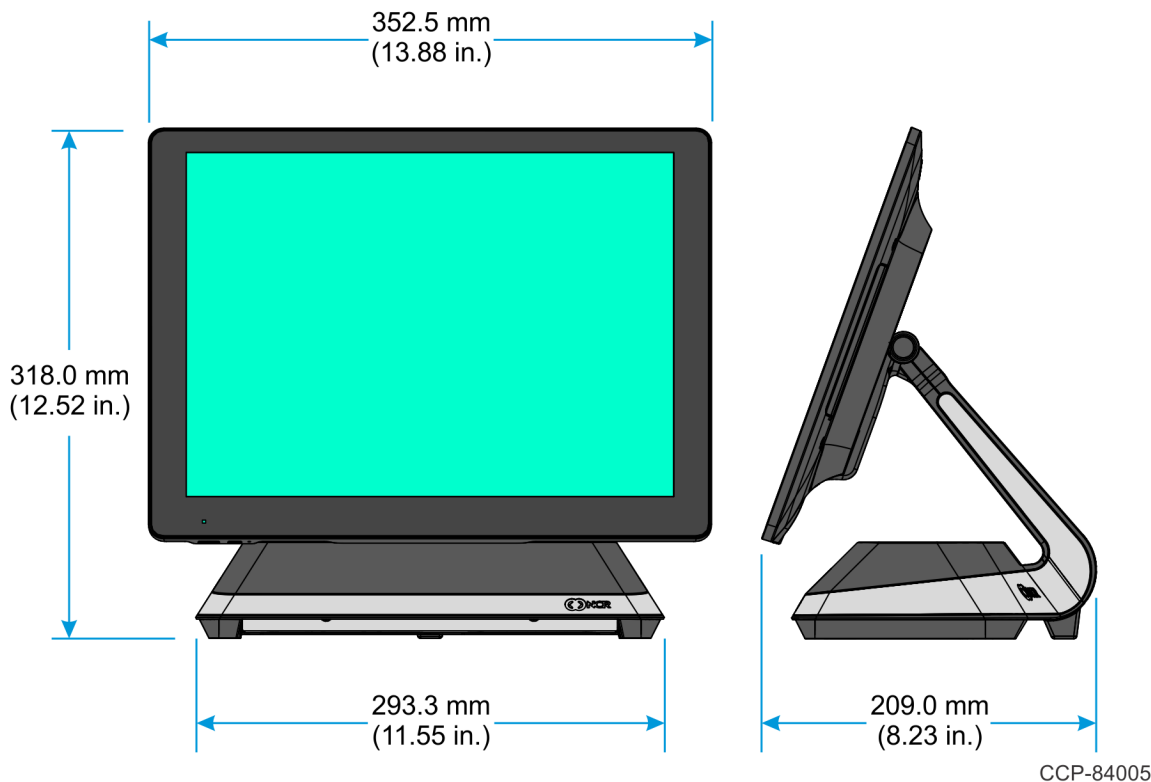
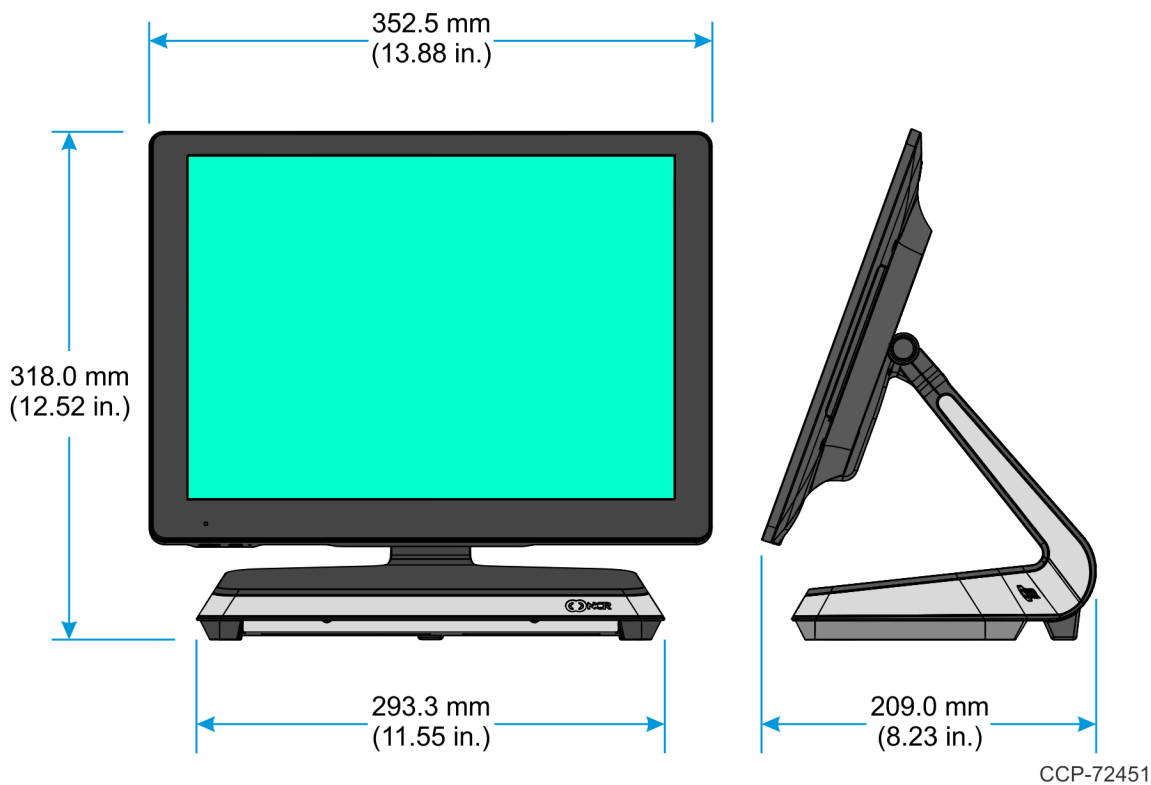


# With Keypad (F149/K149)

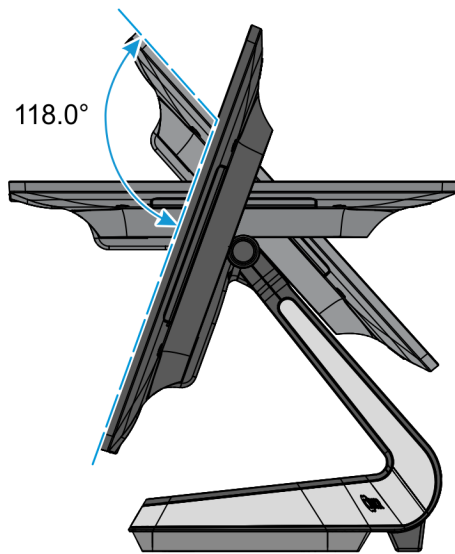


CCP-82182

CX7 15" 4:3 Display with Base

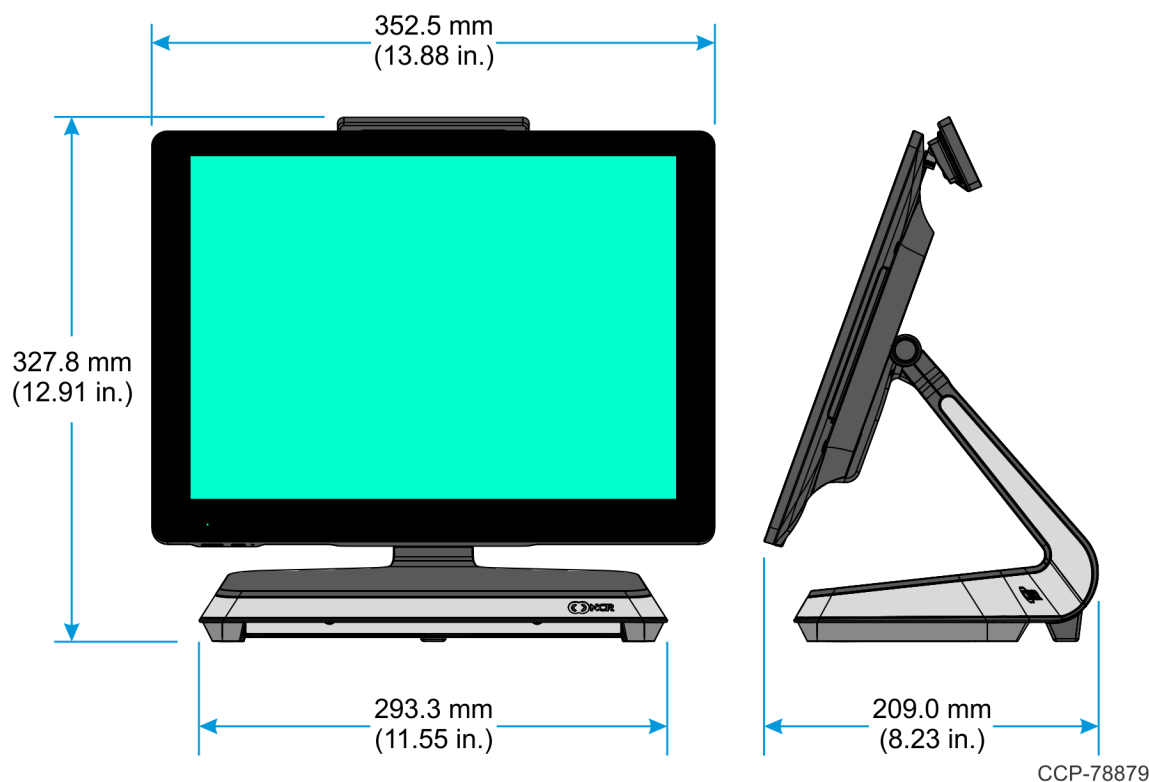
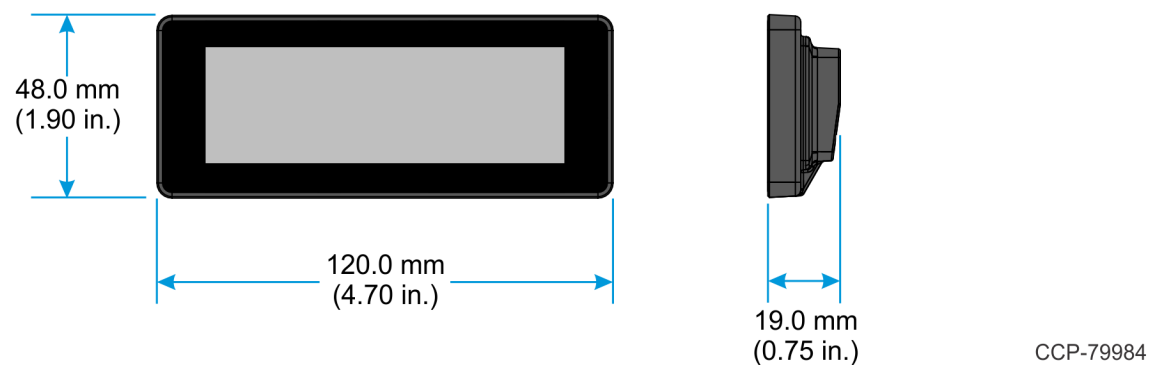


## Tilt Angle



CCP-79973

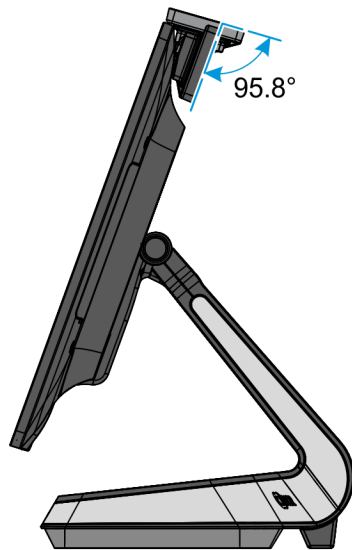
With APA Graphical Display (F451/F471/K451/K471)





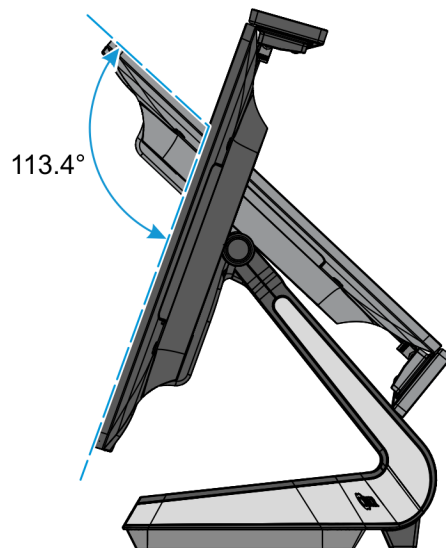
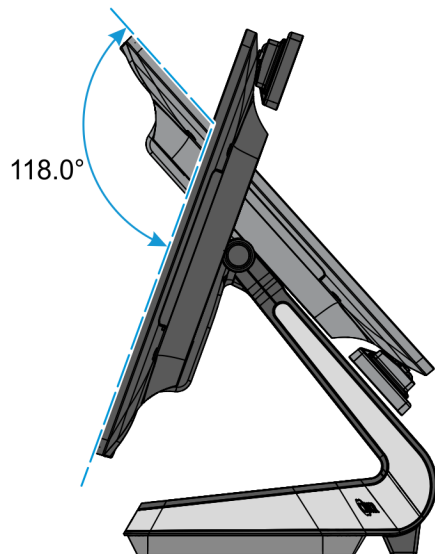
## ***Tilt Angle***

### ***Tilt Angle of APA Graphical Display on CX Head***



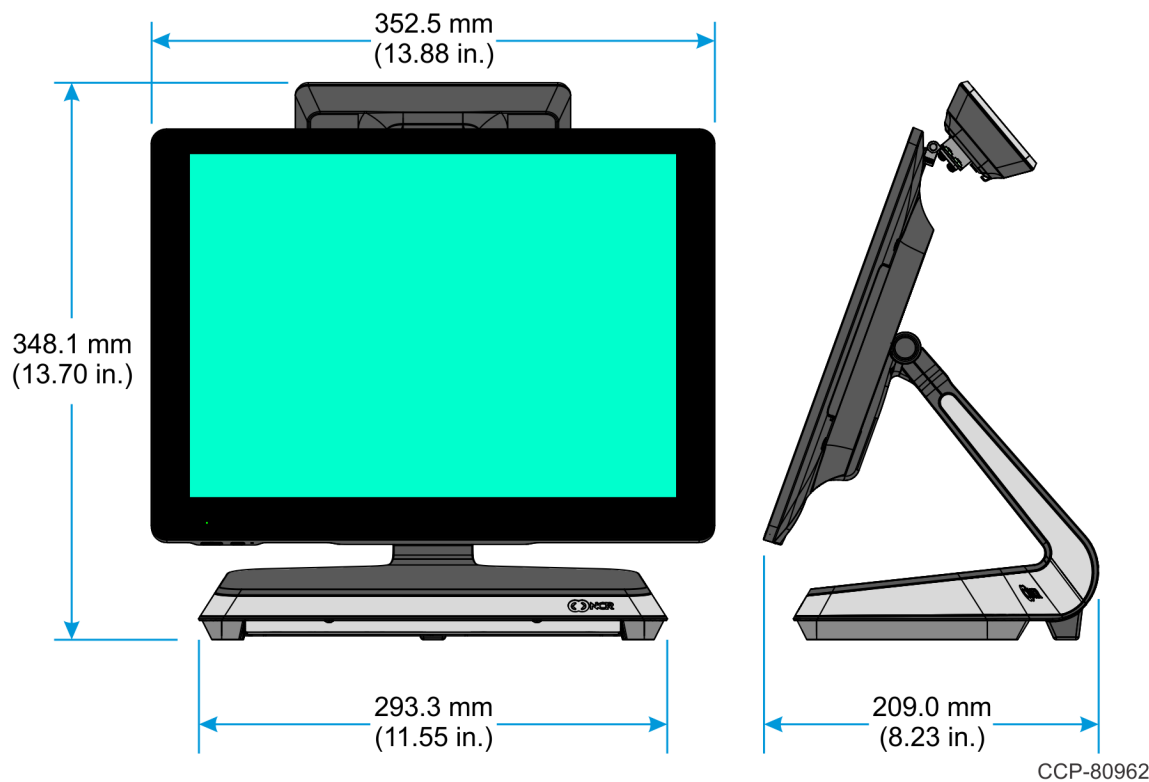
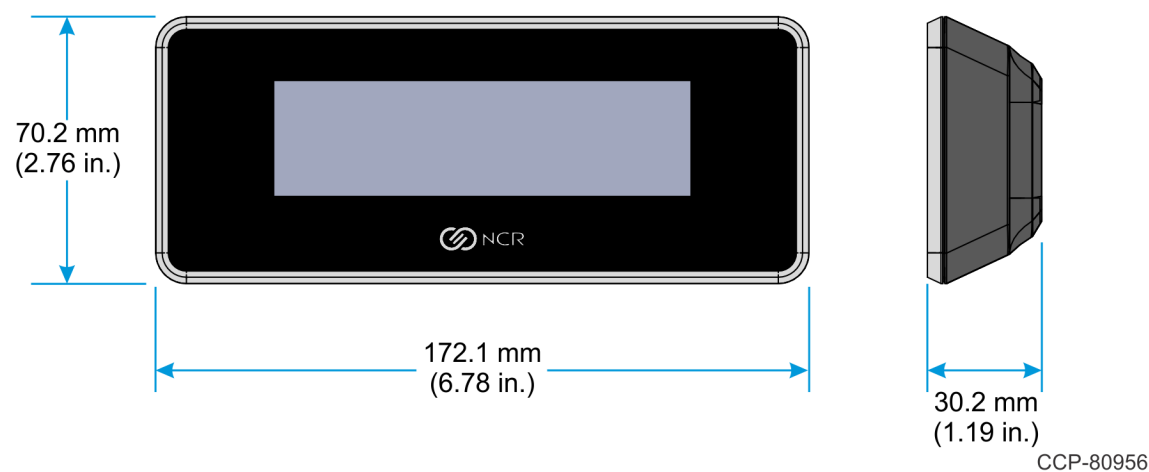
CCP-79975

### ***Tilt Angle of CX Head with APA Graphical Display***



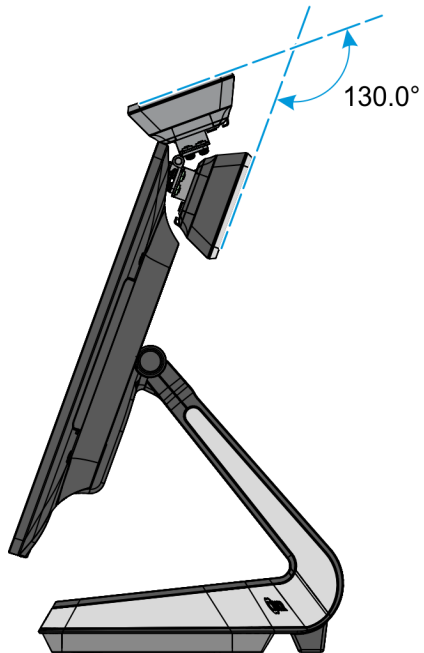
CCP-79981

With 2x20/Double Byte Customer Display (F461/F462)



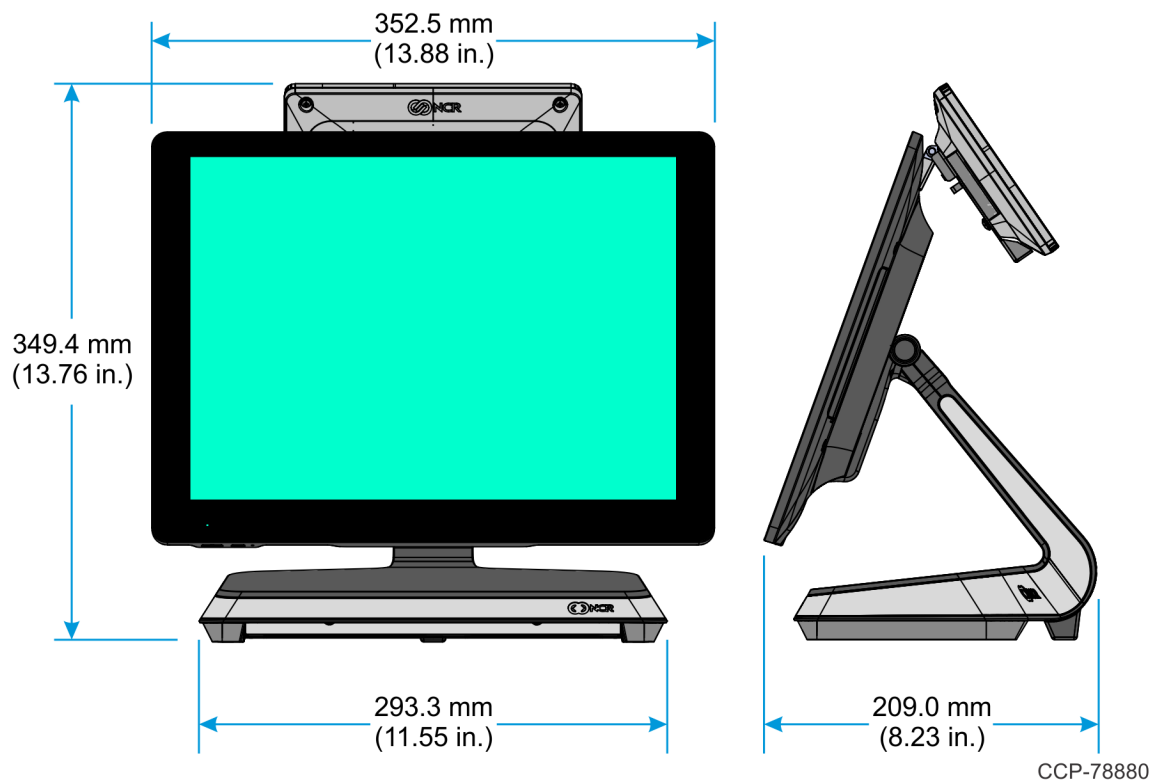
## ***Tilt Angle***

### ***Tilt Angle of 2x20/Double Byte Customer Display on CX Head***

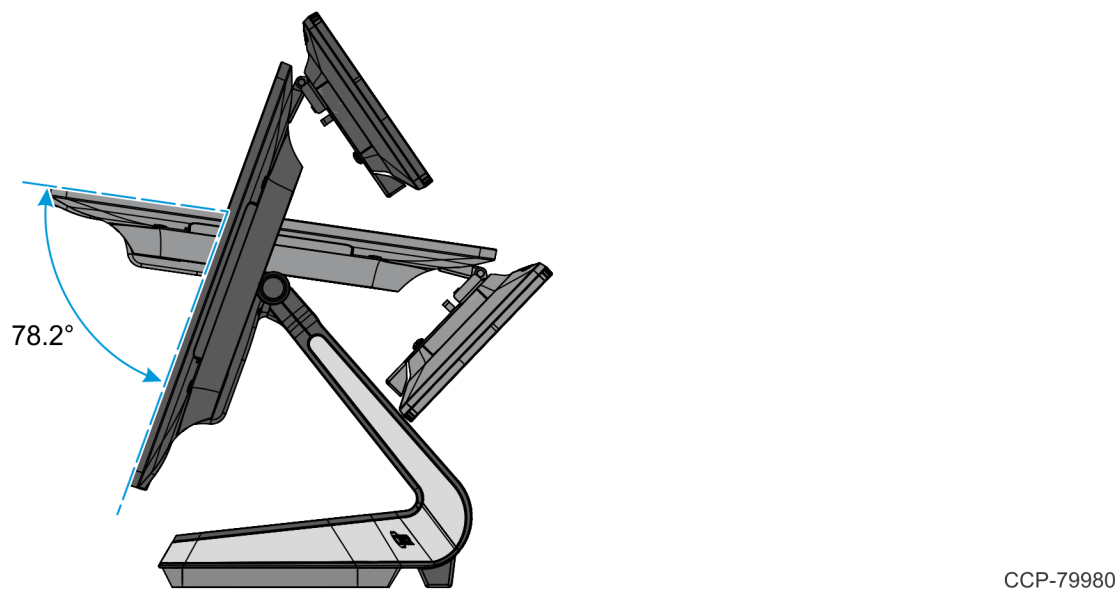


CCP-81503

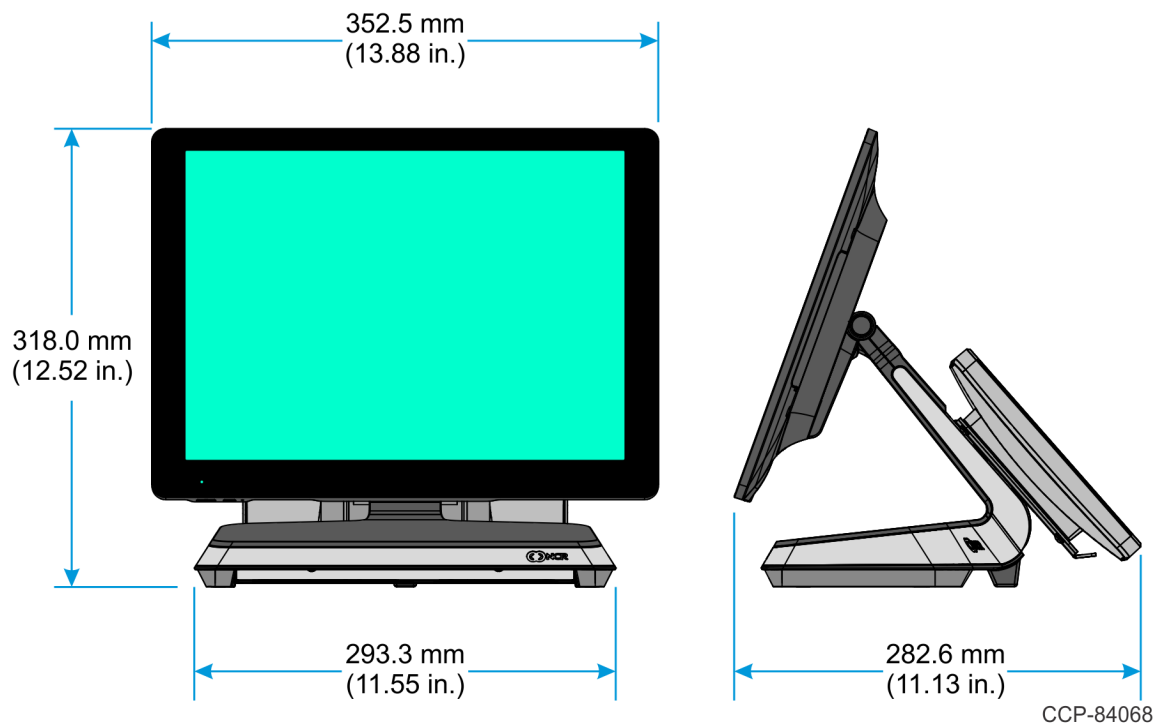
**With 7" (XL7) Customer Display (F452/F453/K452)**



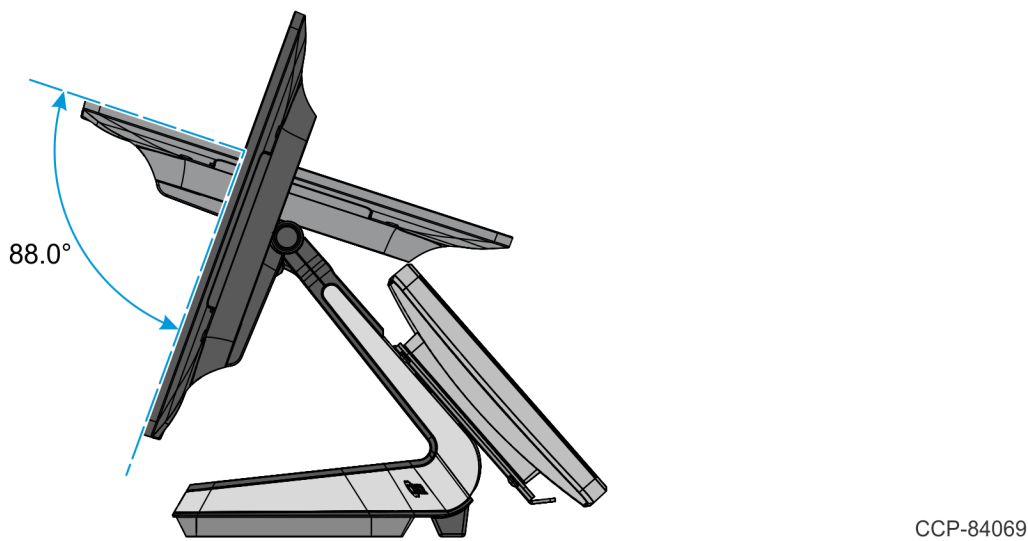
**Tilt Angle**



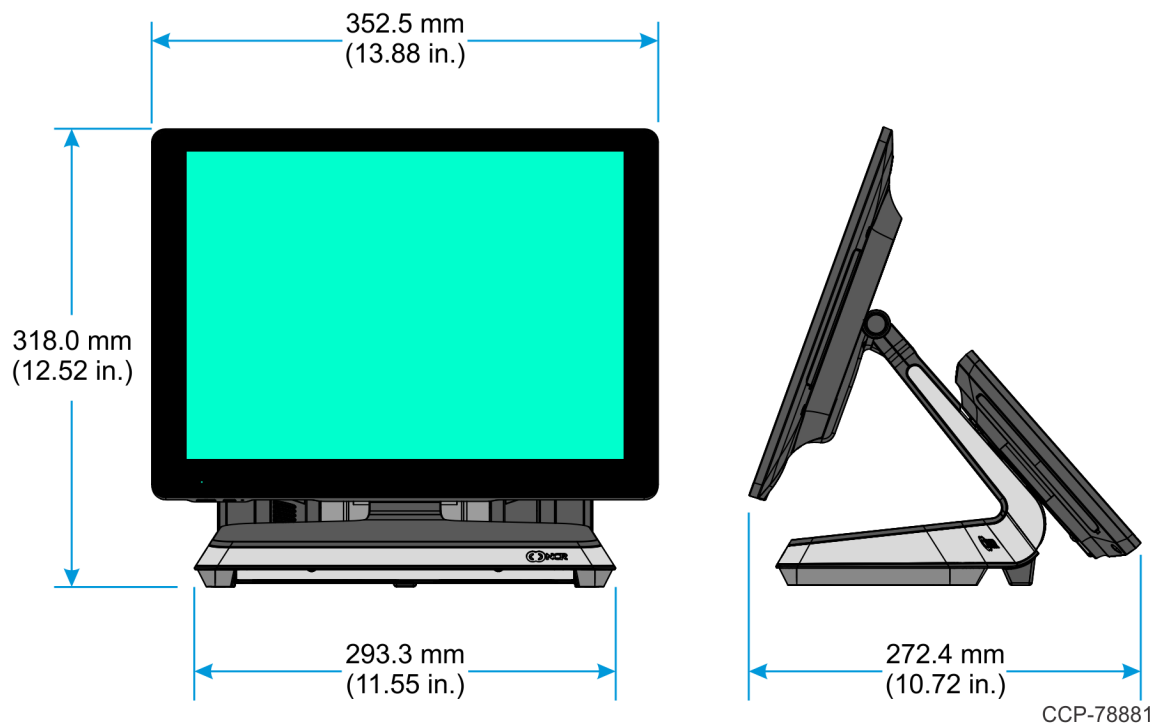
**With 10" TES Base Display (F446)**



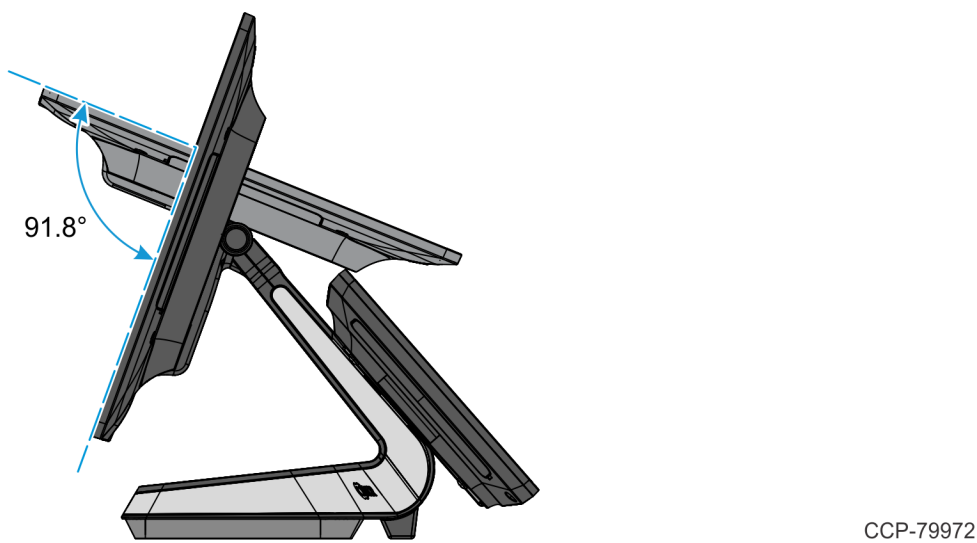
***Tilt Angle***



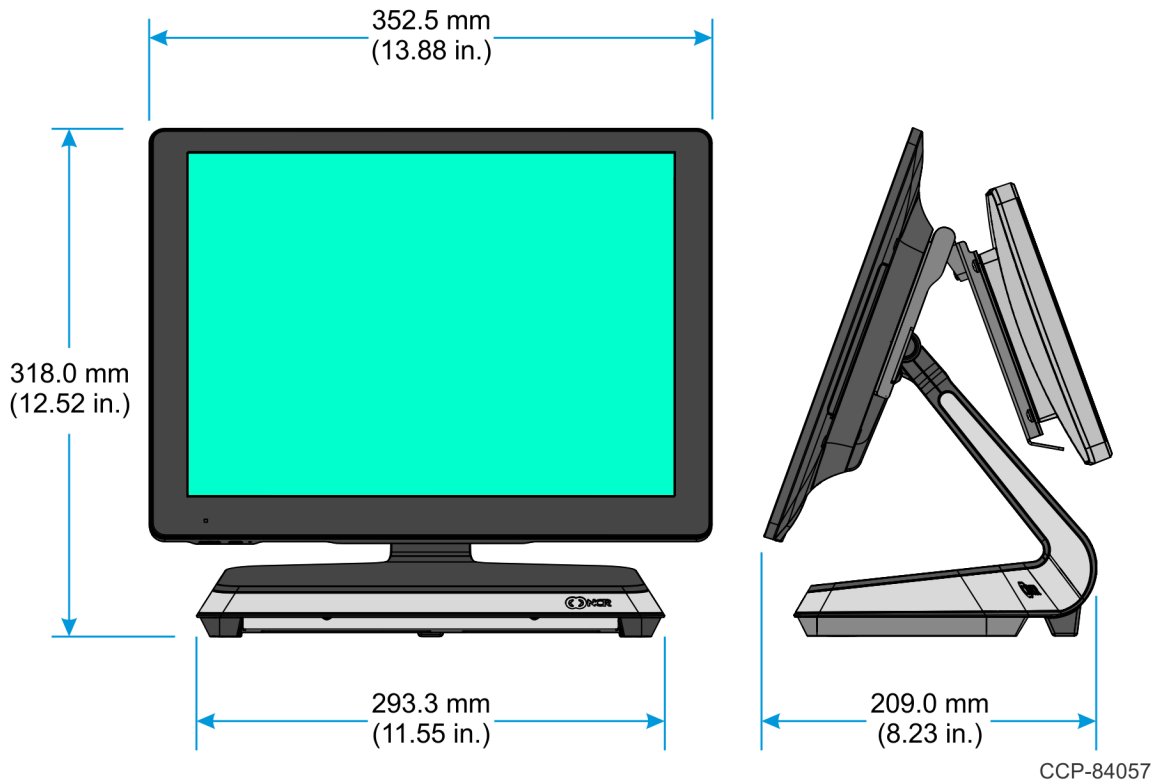
**With 10" (XL10) Base Display (F435/F436/F439/F455/F456/K455)**



***Tilt Angle***

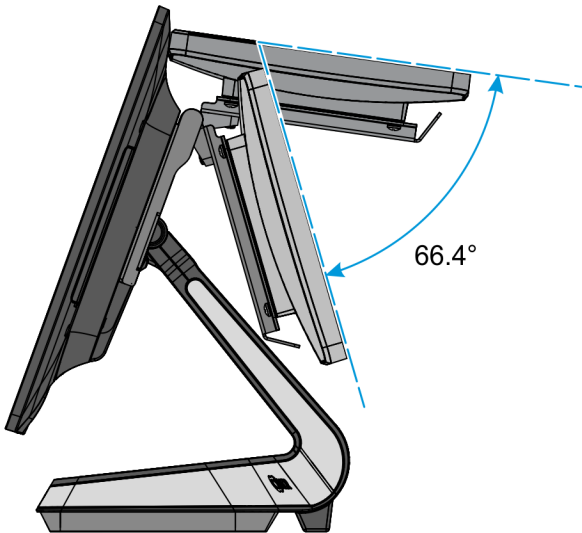


**With High Mount 10" TES Customer Display (F434)**



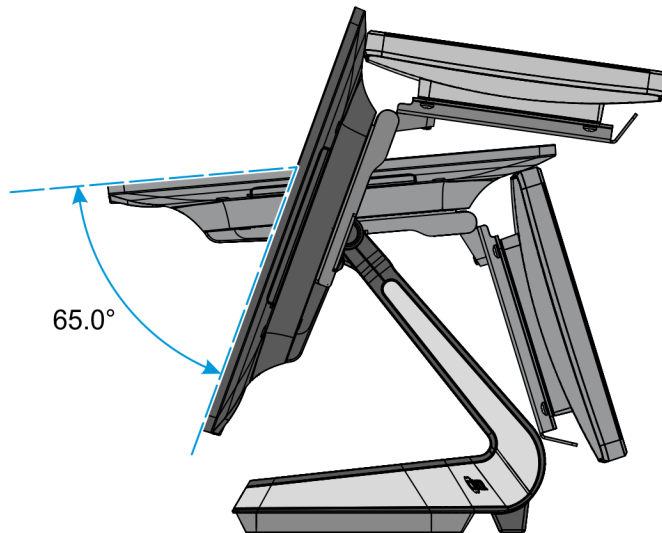
***Tilt Angle***

***Tilt Angle of 10" TES Customer Display on CX Head***



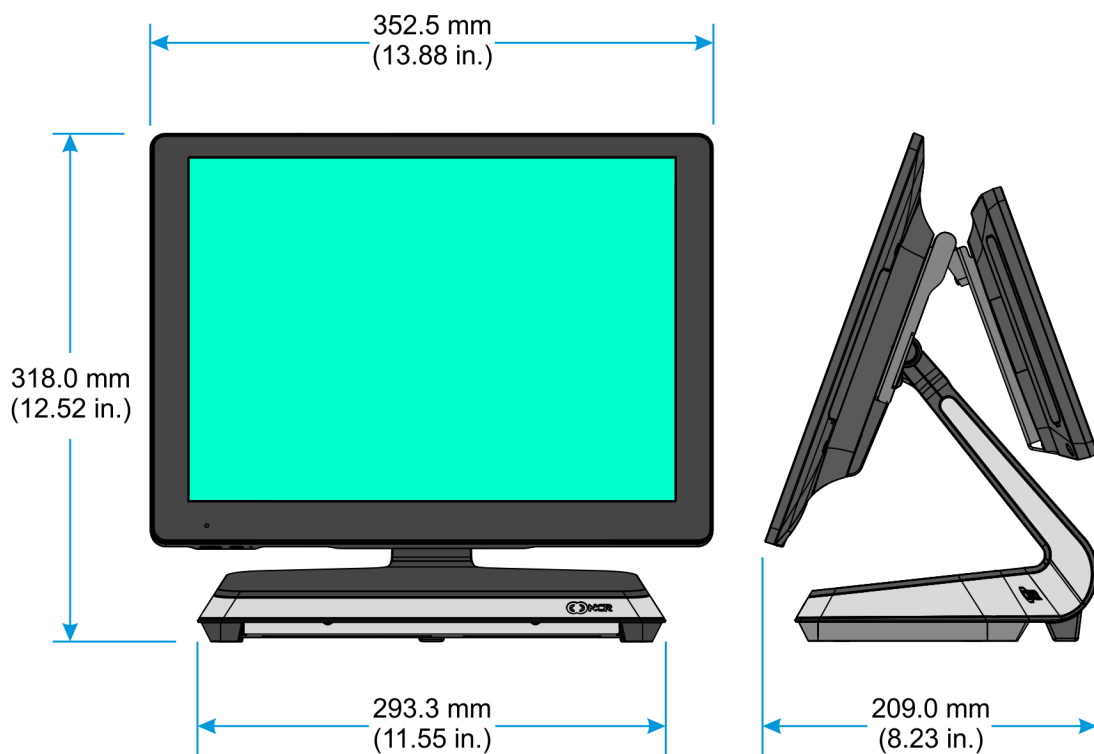
CCP-84058

## ***Tilt Angle of CX Head with 10" TES Customer Display***



CCP-84059

## **With High Mount 10" (XL10) (USB-C) Customer Display (F475/F476)**

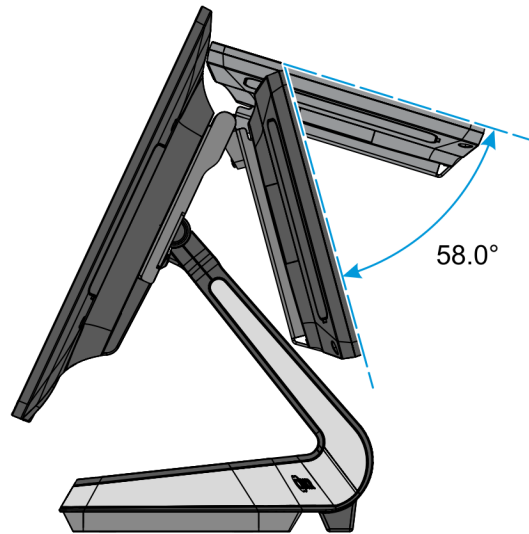


CCP-81588



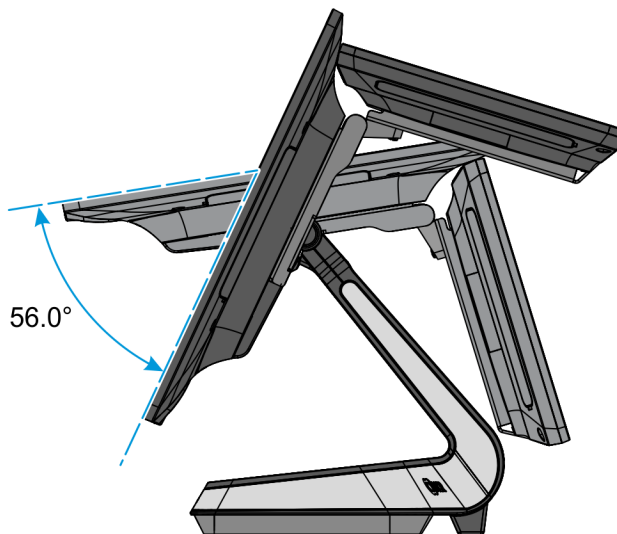
## ***Tilt Angle***

### ***Tilt Angle of XL10 Customer Display on CX Head***



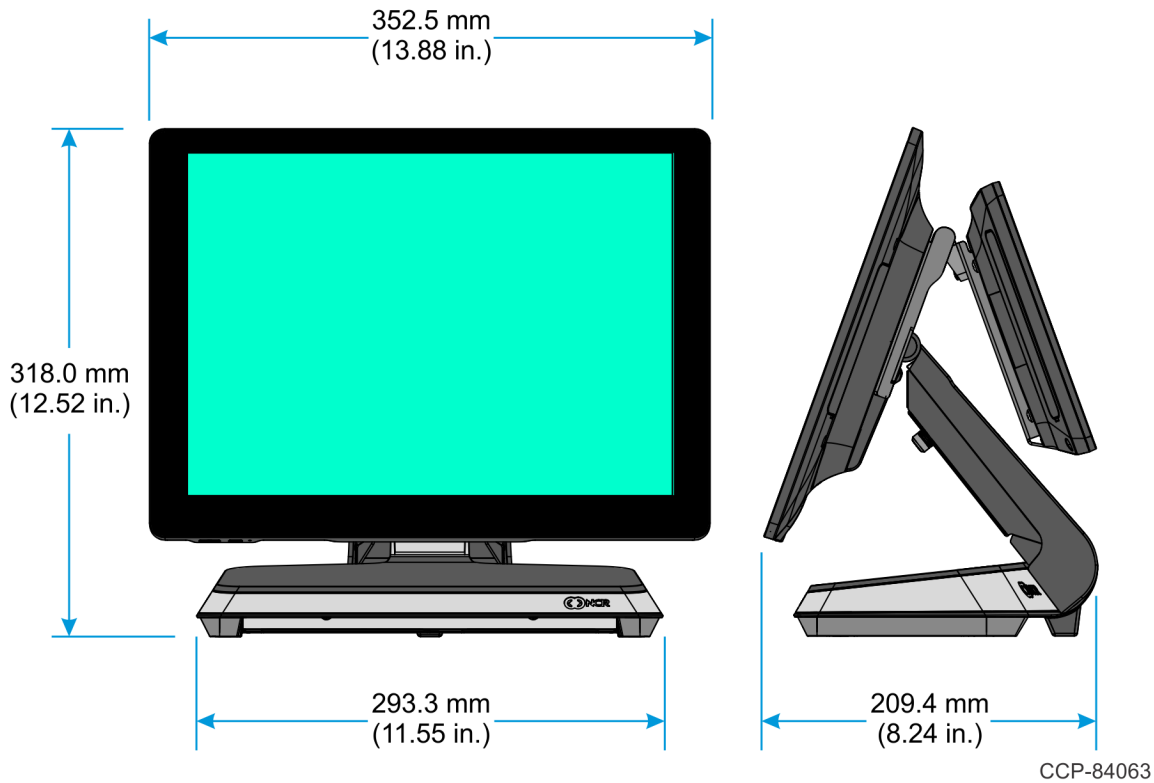
CCP-81589

### ***Tilt Angle of CX Head with XL10 Customer Display***



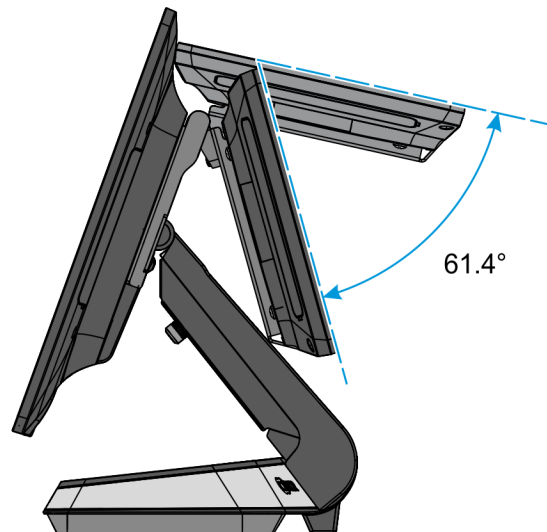
CCP-81590

**With High Mount 10" (XL10) DP Customer Display (F437/F438)**

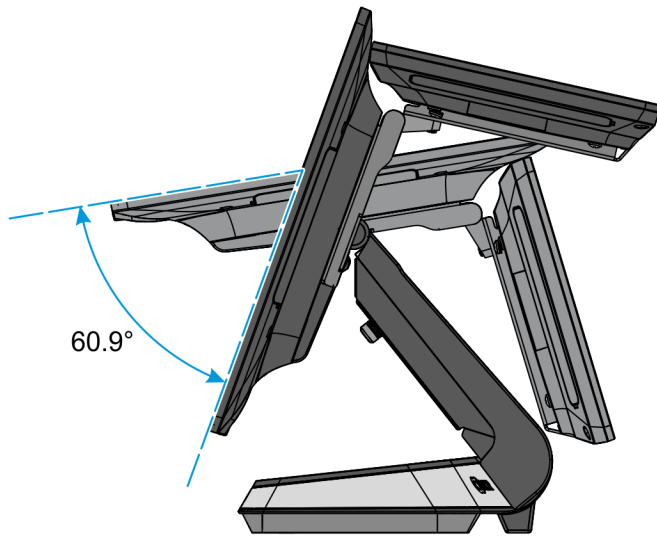


***Tilt Angle***

***Tilt Angle of XL10 Customer Display on CX Head***

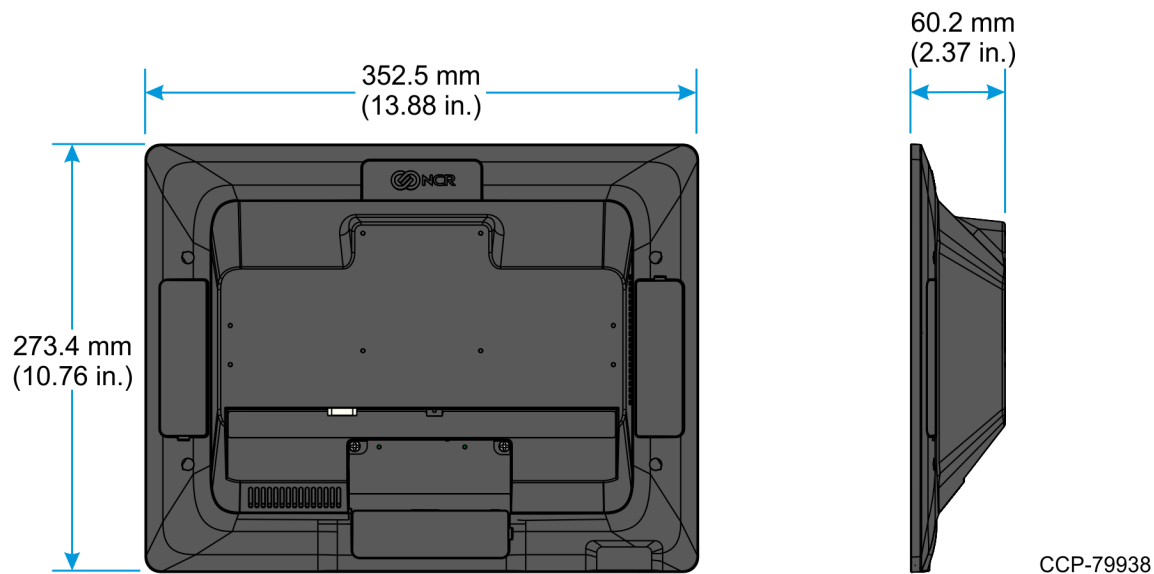


## ***Tilt Angle of CX Head with XL10 Customer Display***

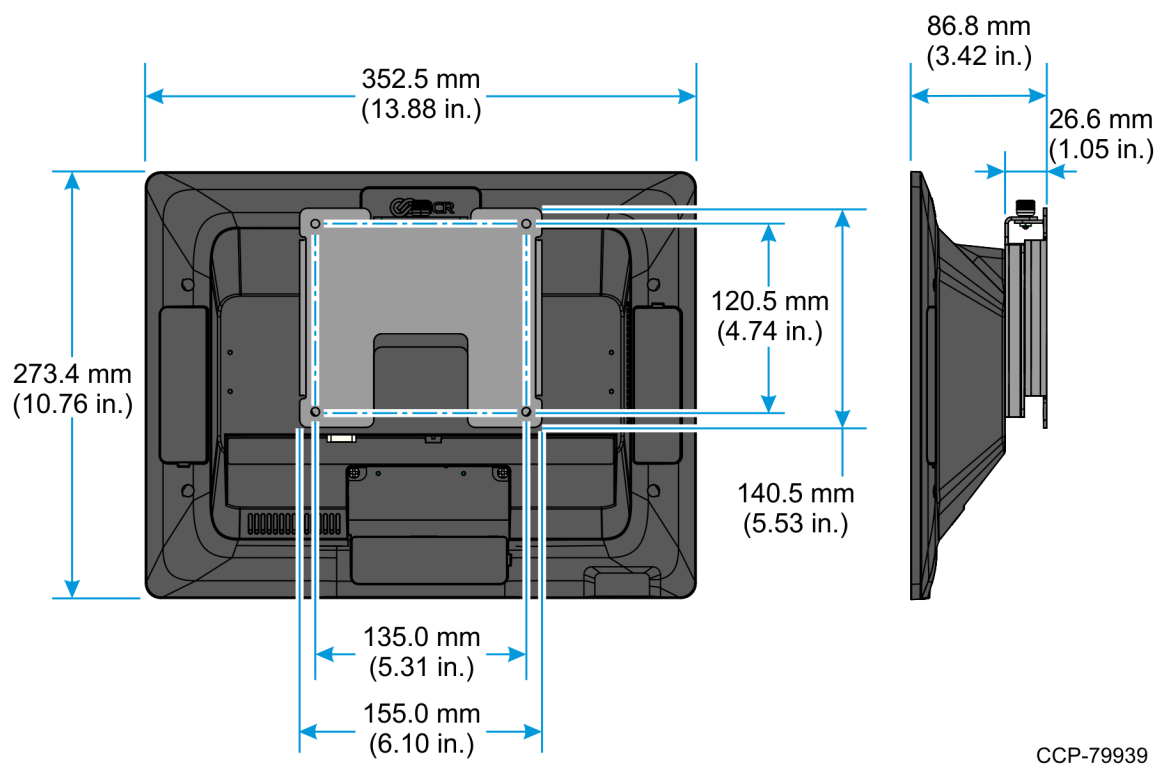


CCP-84065

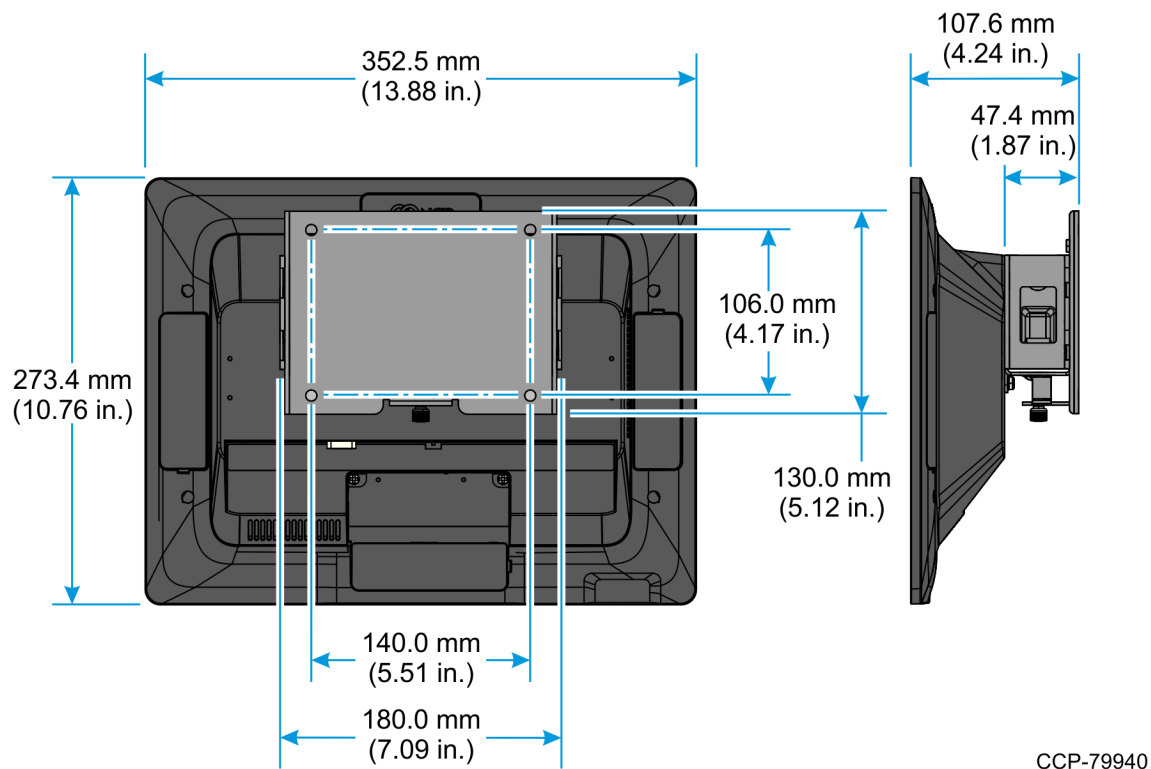
# CX7 15" 4:3 Display with Integrated I/O (F046/F047)



## With Wall Mount (7772-K320)

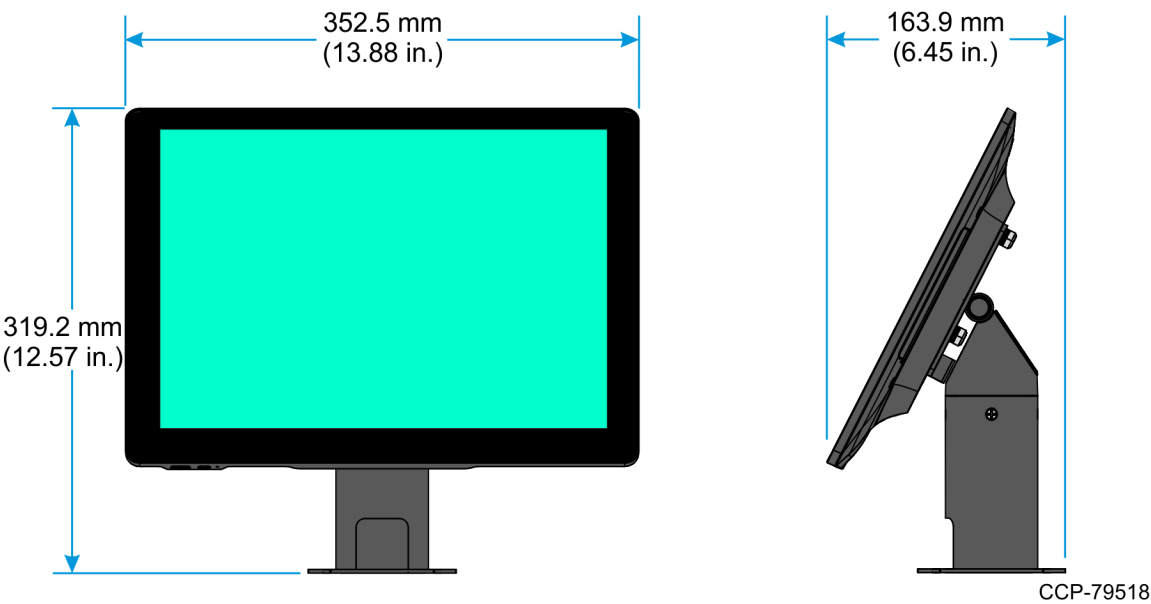


With Wall Mount, Power Supply (7772-K325)

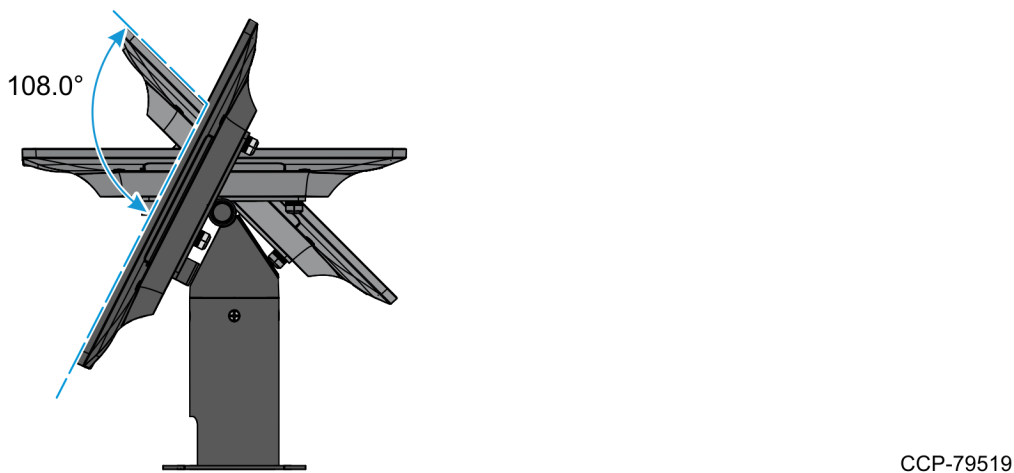


# CX7 15" 4:3 Display Mounts for Remote I/O

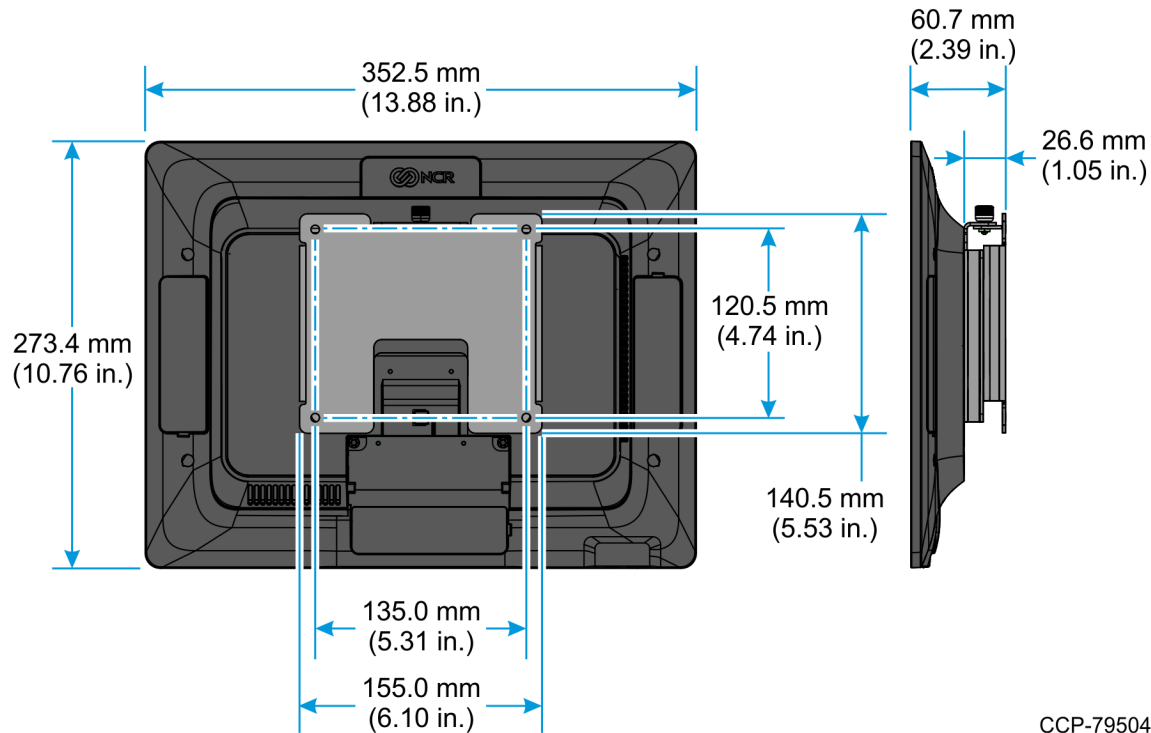
## With Pole Mount (7772-K400)



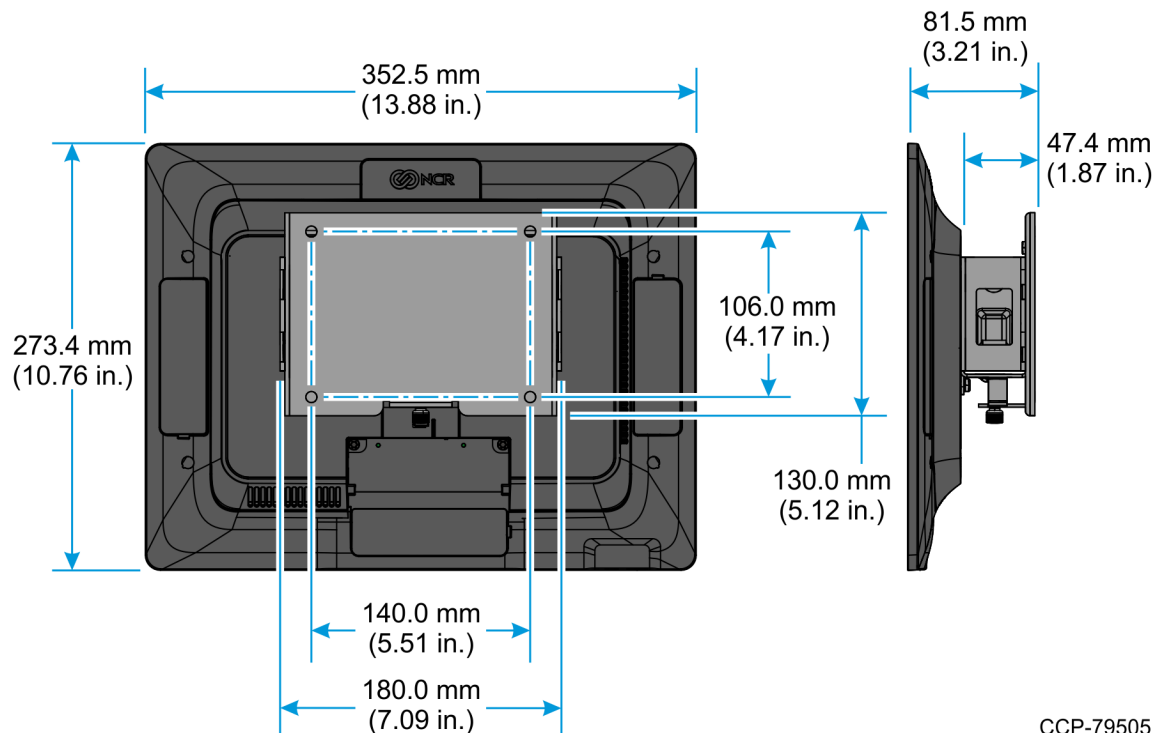
### Tilt Angle



**With Wall Mount (7772-K320)**

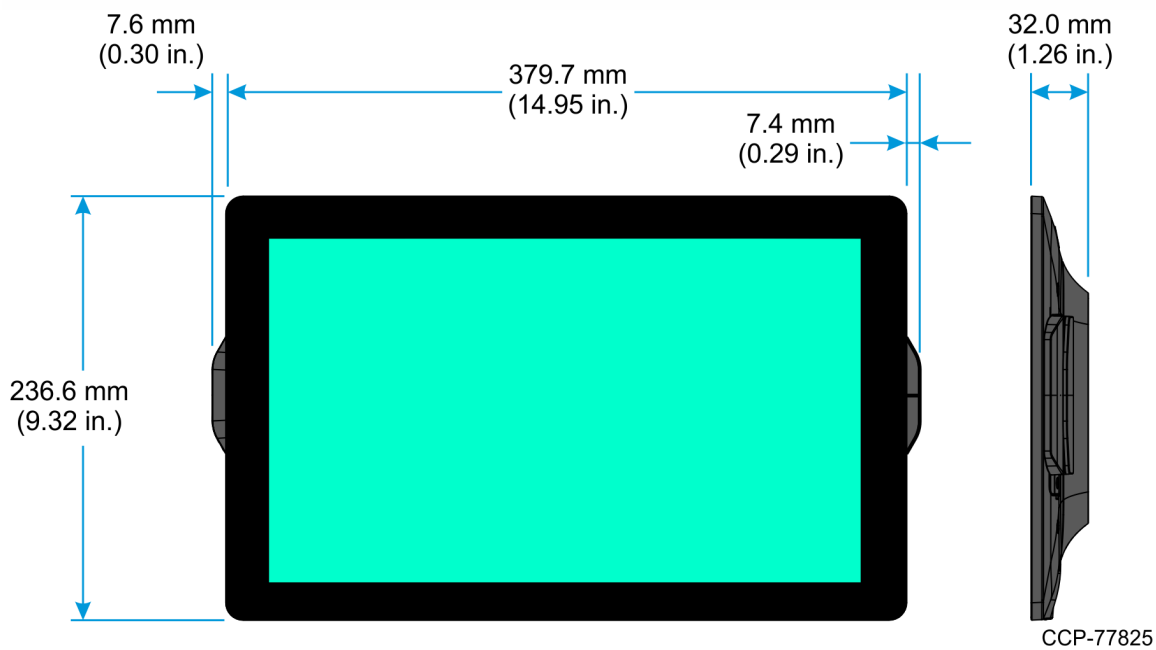


**With Wall Mount, Power Supply (7772-K325)**

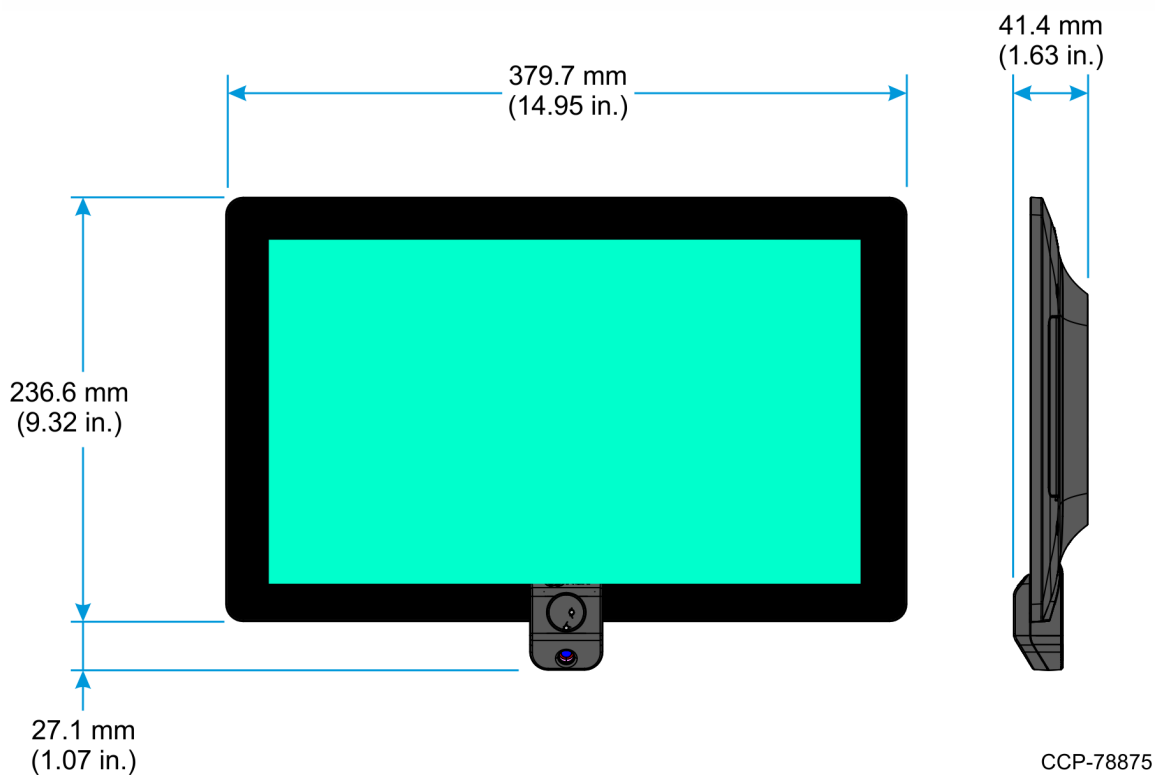


# CX7 15.6" 16:9 Display (F016)

## With Biometrics (F151/K151) and MSR (F141/K141)

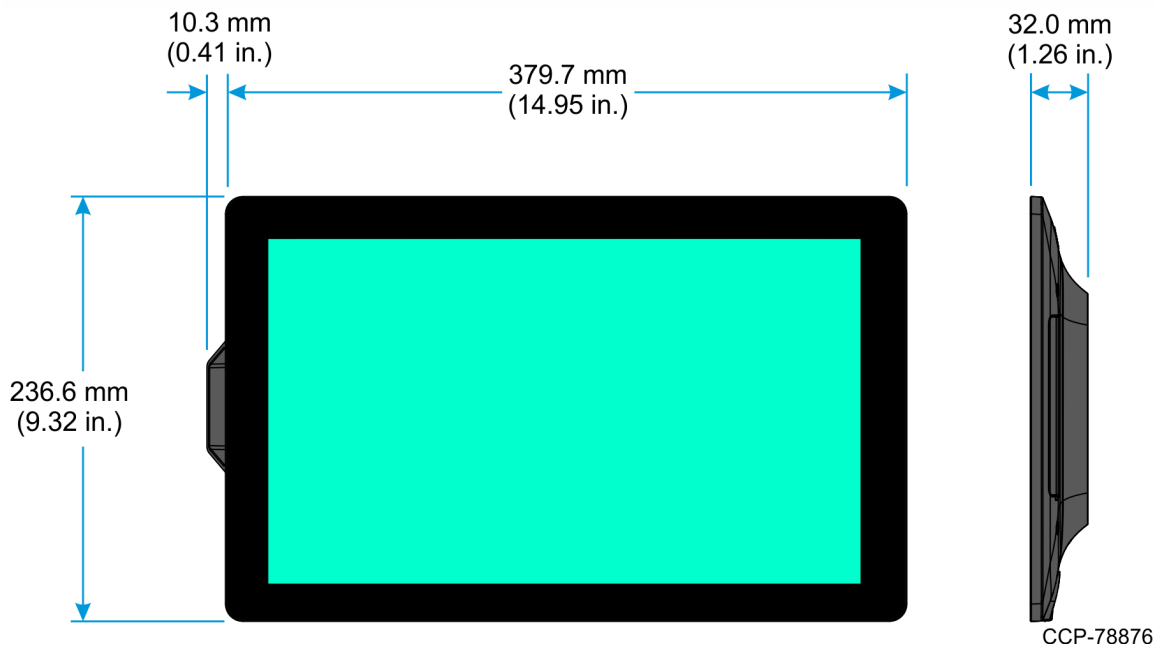


## With 2-in-1 Sign-In (F161/K161)

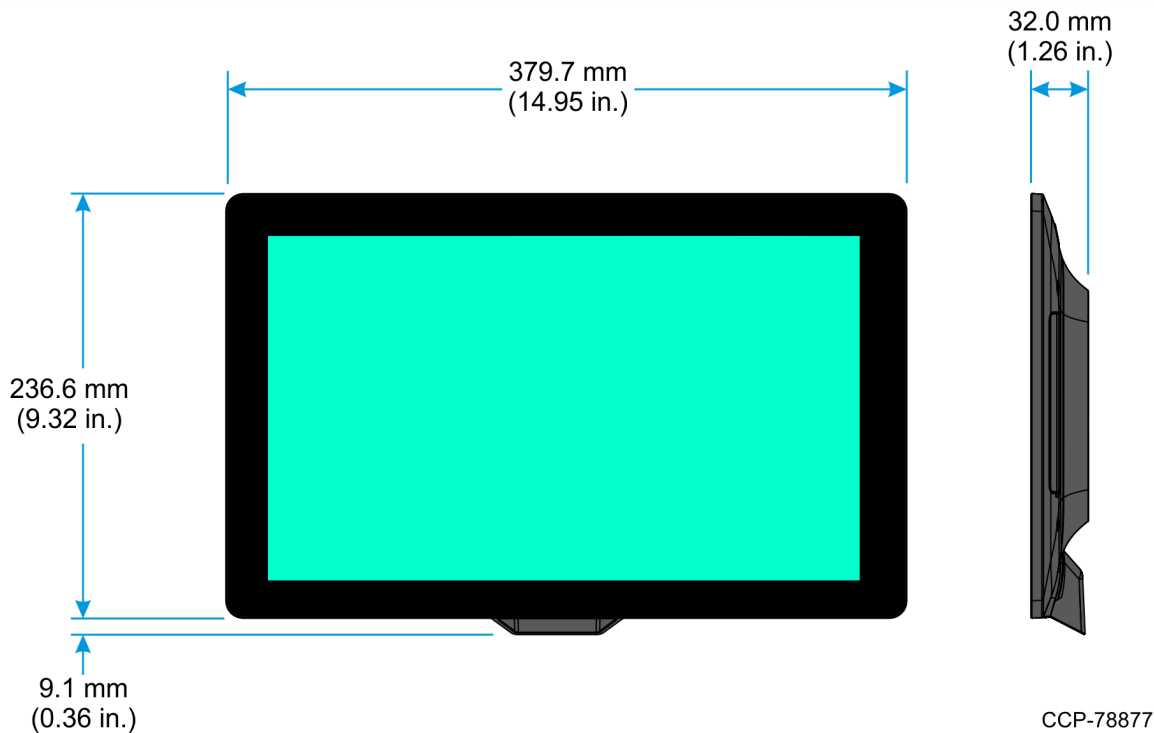




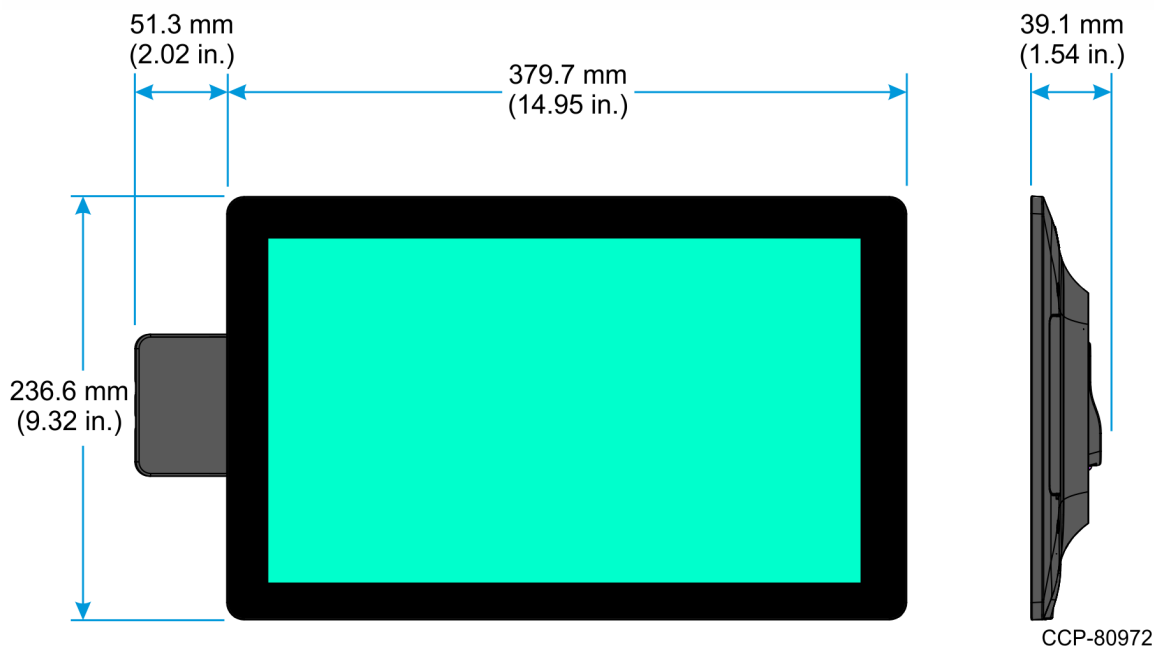
**With Imager (Port B) (F156/K156)**



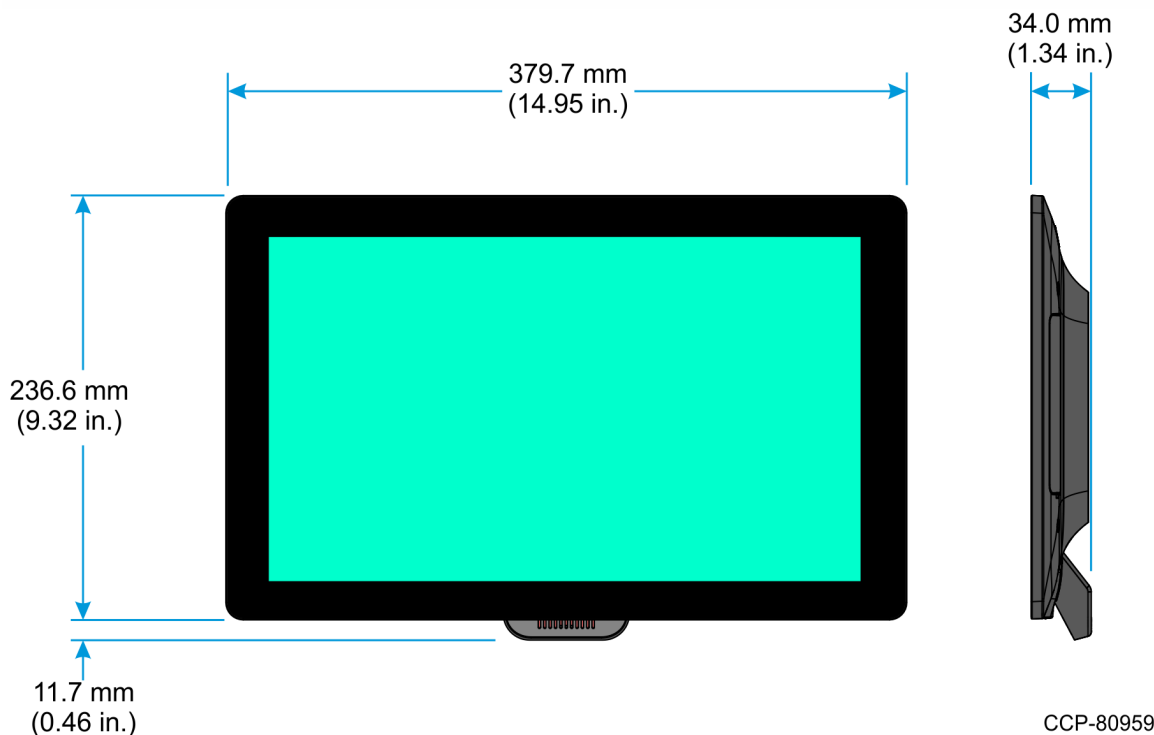
**With Imager (Port C) (F166)**



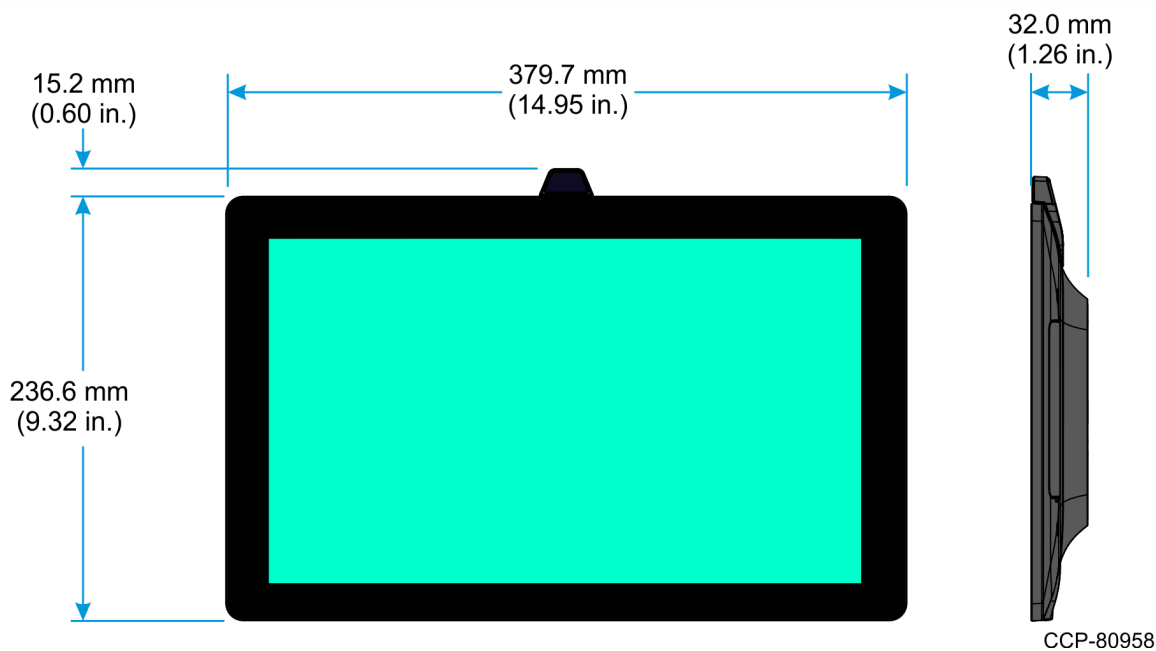
**With UV Bill Validator (F157/K157)**



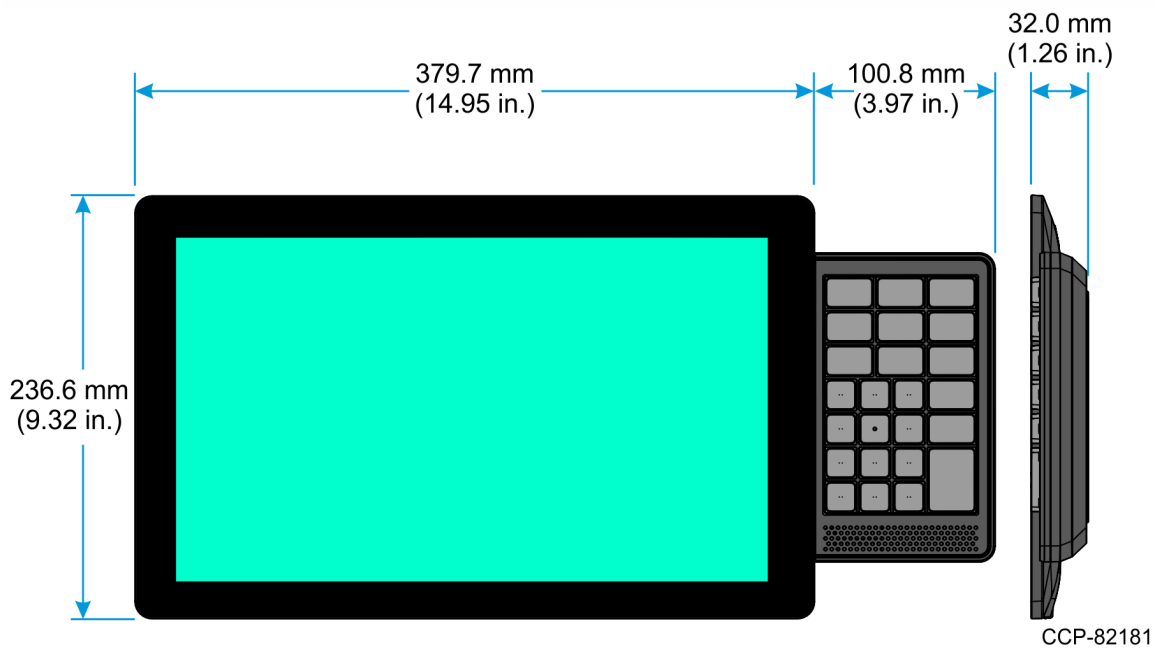
**With External Speaker (F169/K169)**



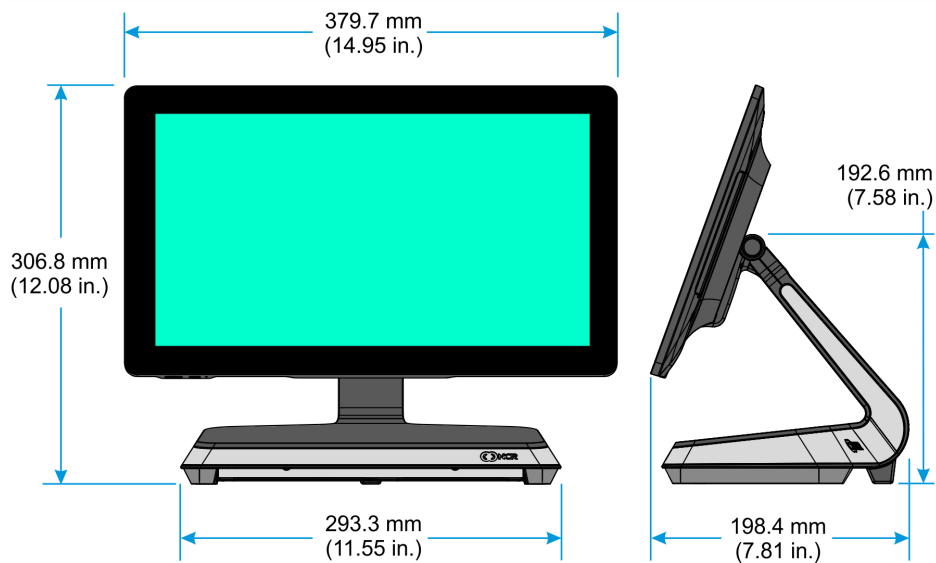
# With Camera (F460/K460)



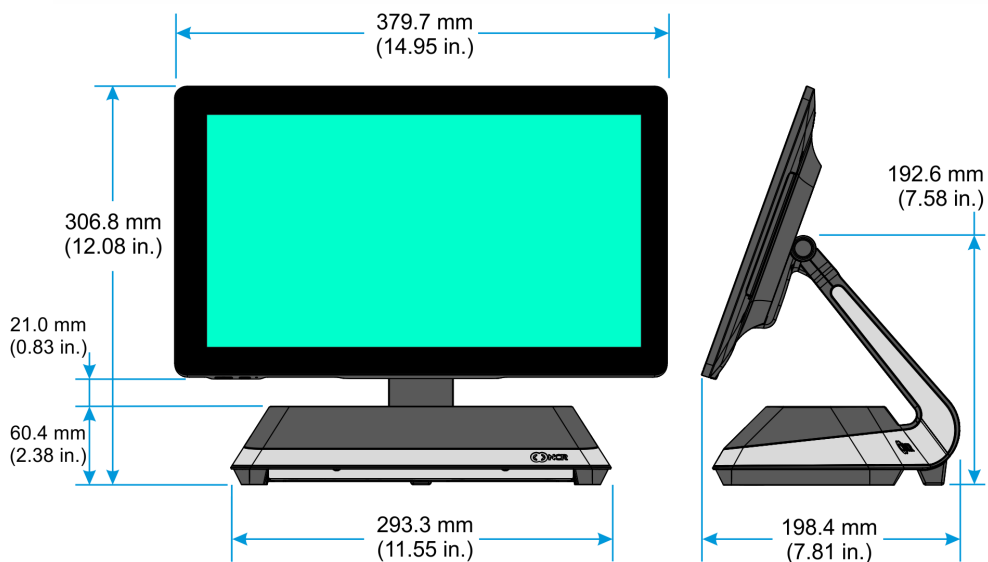
# With Keypad (F149/K149)



# CX7 15.6" 16:9 Display with Base

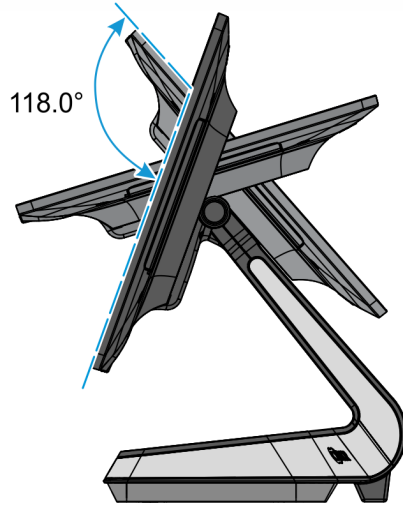


CCP-78870



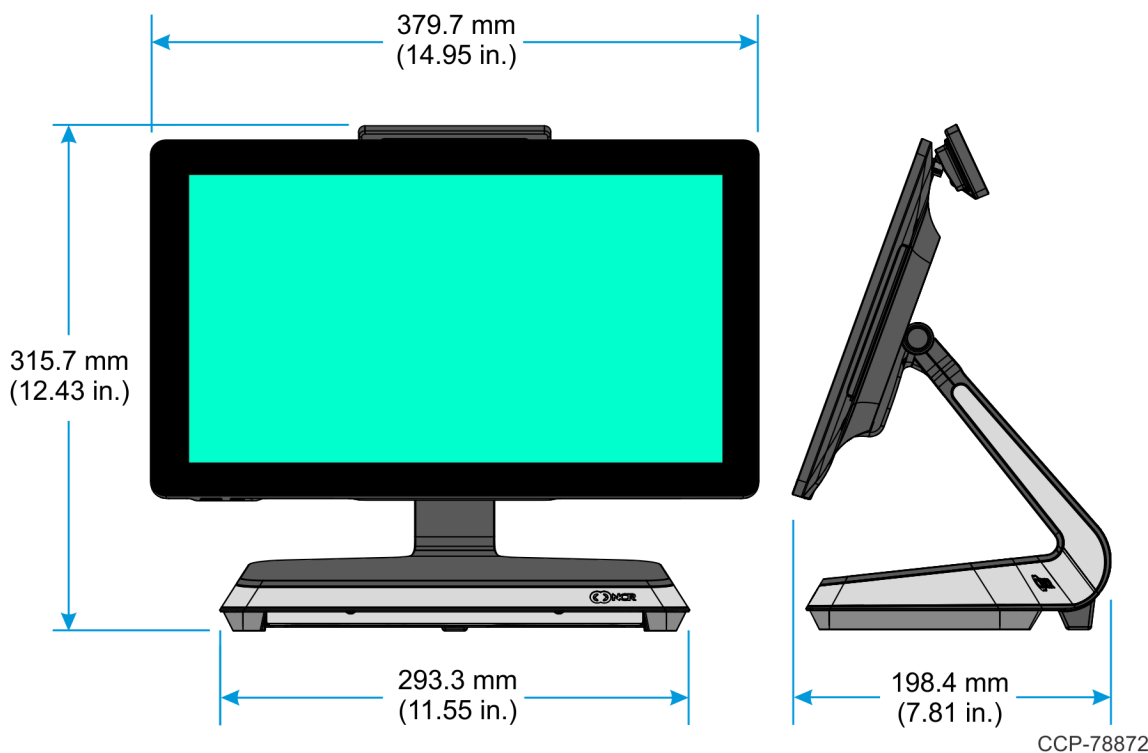
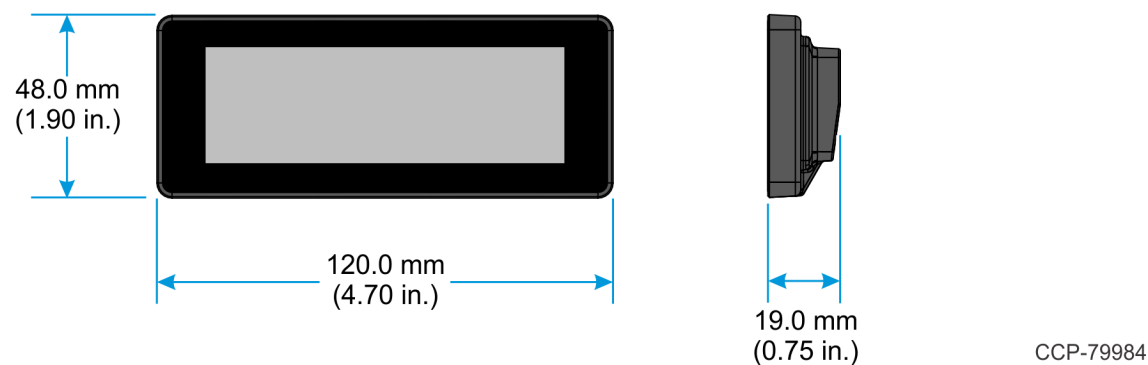
CCP-84004

## Tilt Angle



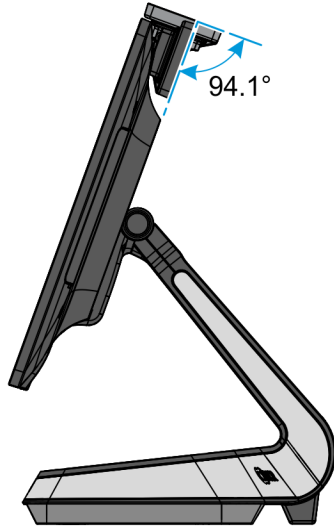
CCP-79974

**With APA Graphical Display (F451/F471/K451/K471)**



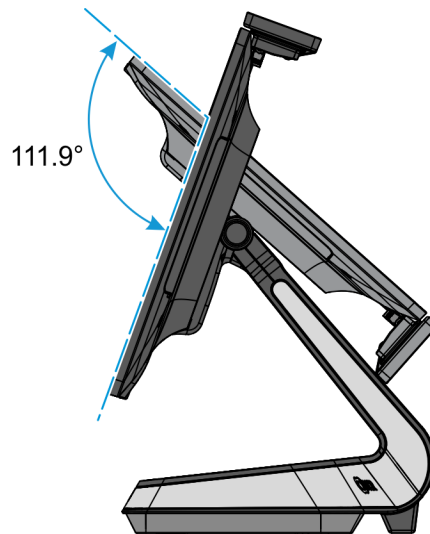
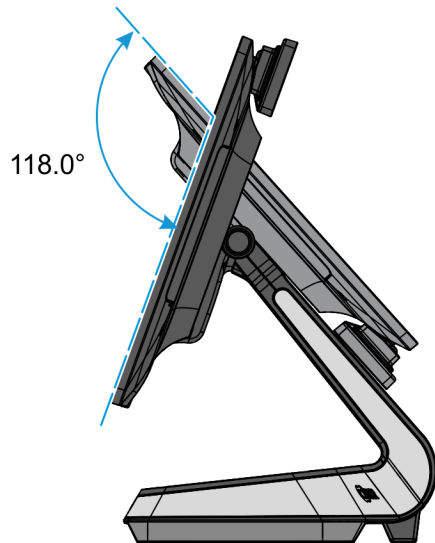
## ***Tilt Angle***

### ***Tilt Angle of APA Graphical Display on CX Head***



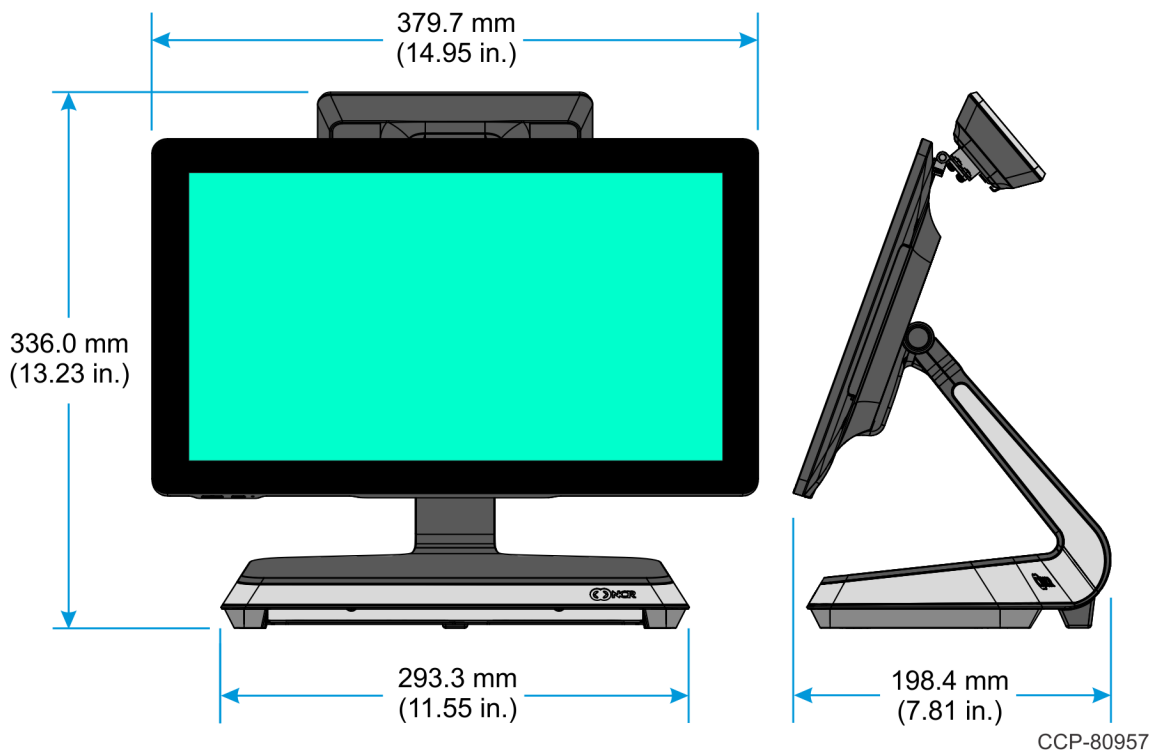
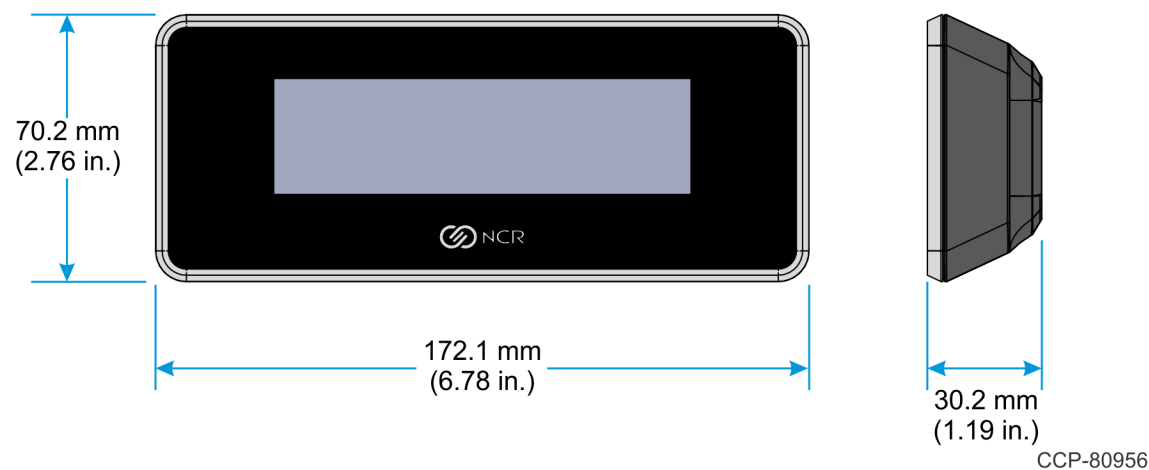
CCP-79976

### ***Tilt Angle of CX Head with APA Graphical Display***



CCP-79977

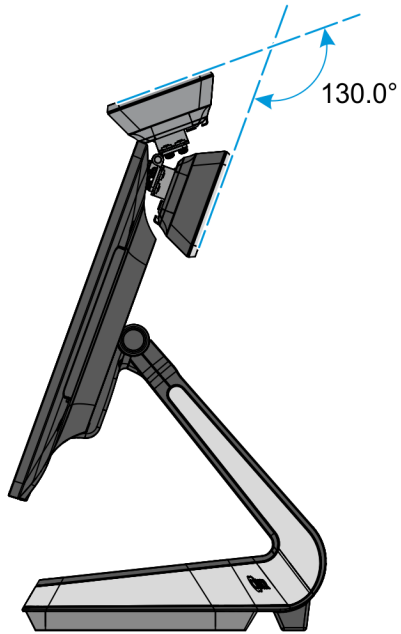
With 2x20/Double Byte Customer Display (F461/F462)





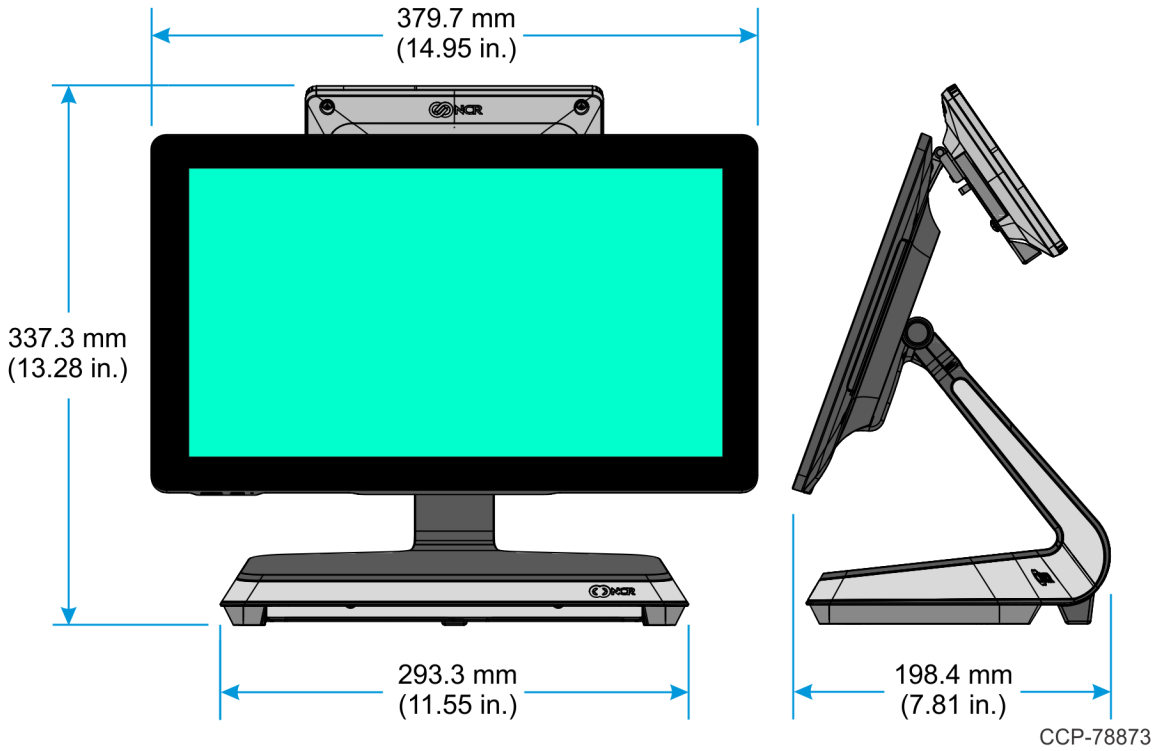
## ***Tilt Angle***

### ***Tilt Angle of 2x20/Double Byte Customer Display on CX Head***

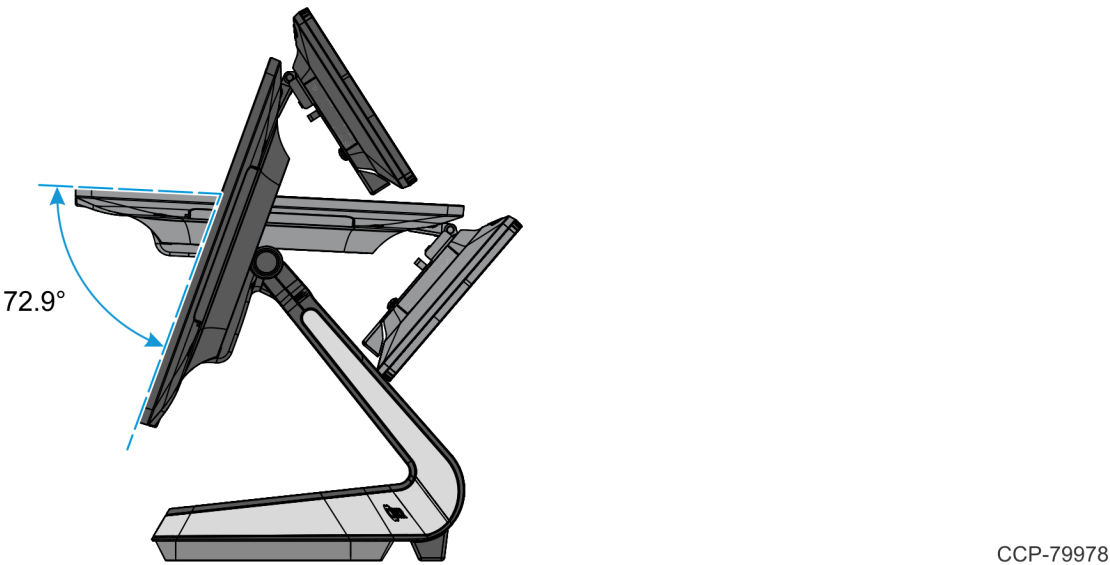


CCP-81502

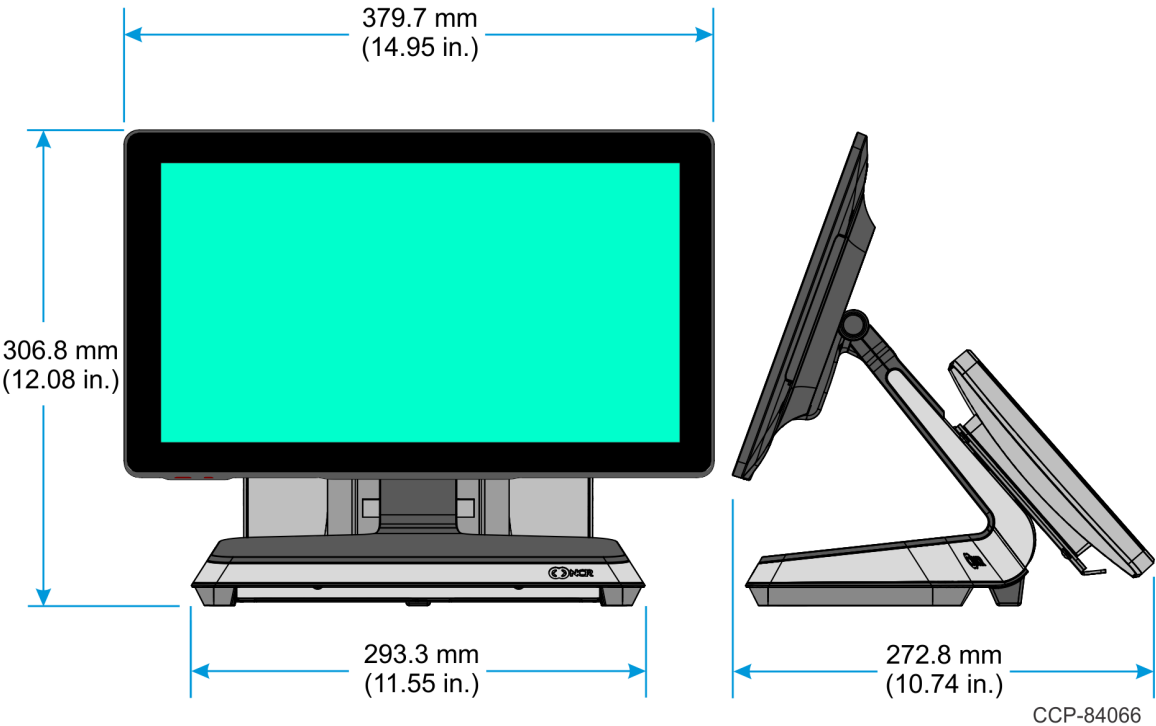
**With 7" (XL7) Customer Display (F452/F453/K452)**



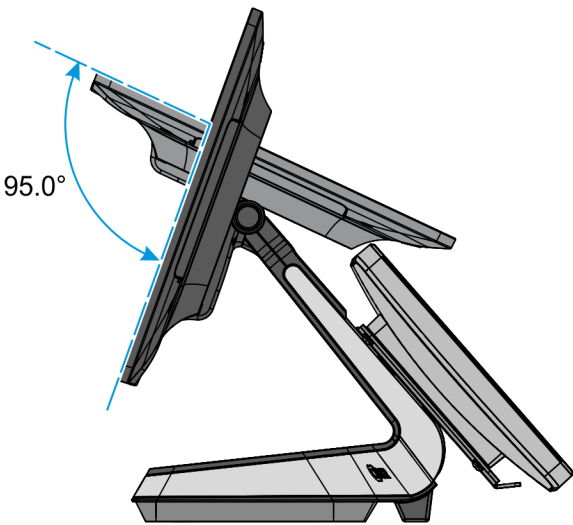
***Tilt Angle***



**With 10" TES Base Display (F446)**

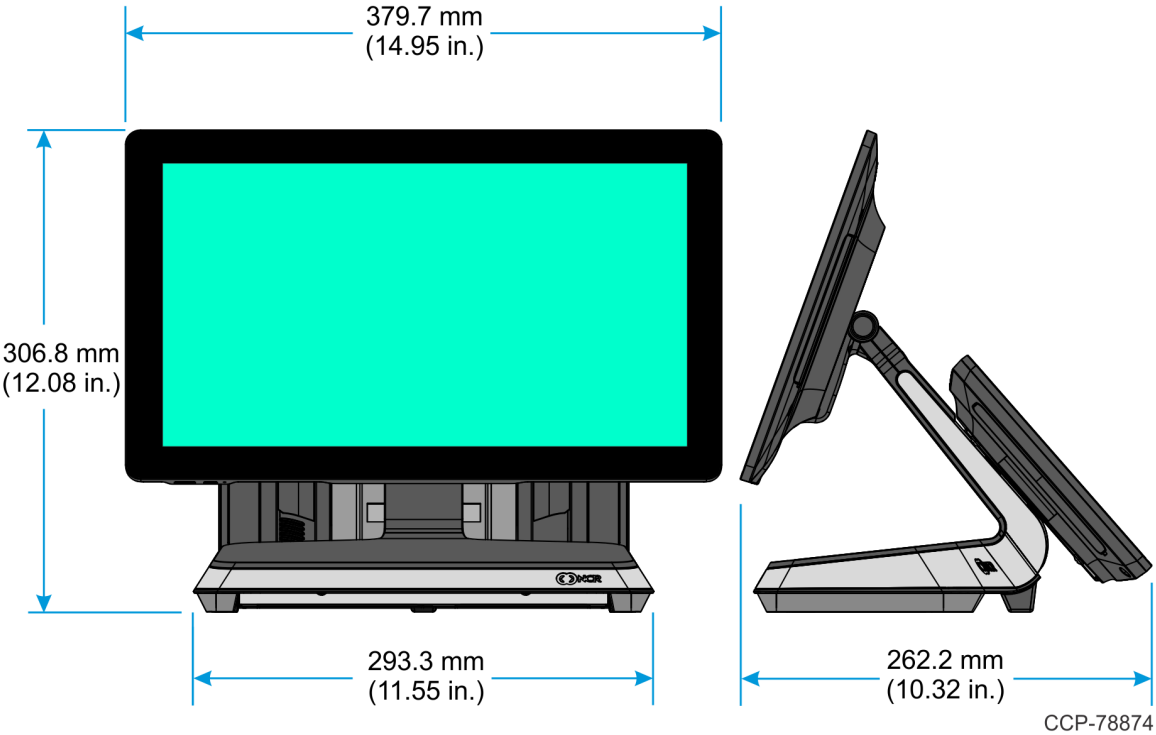


***Tilt Angle***

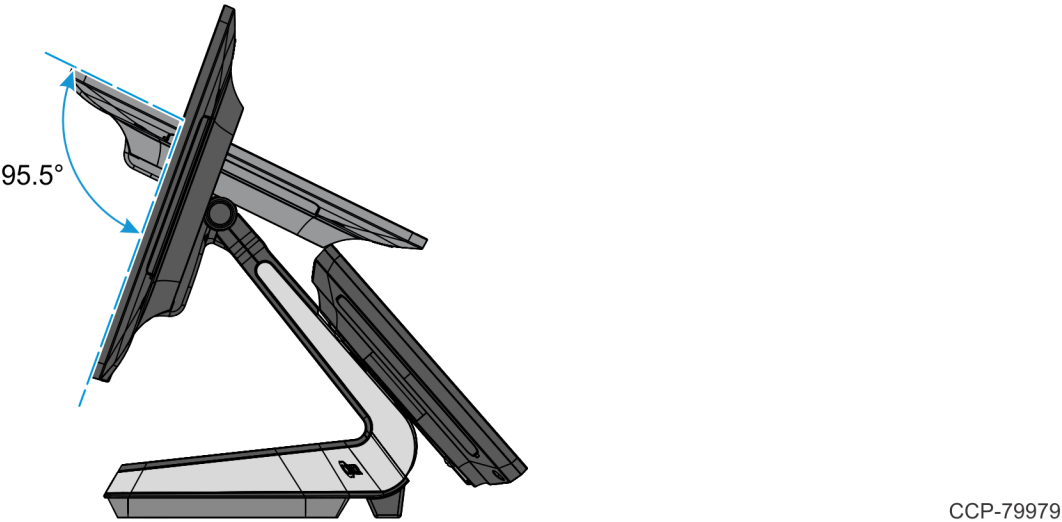


CCP-84067

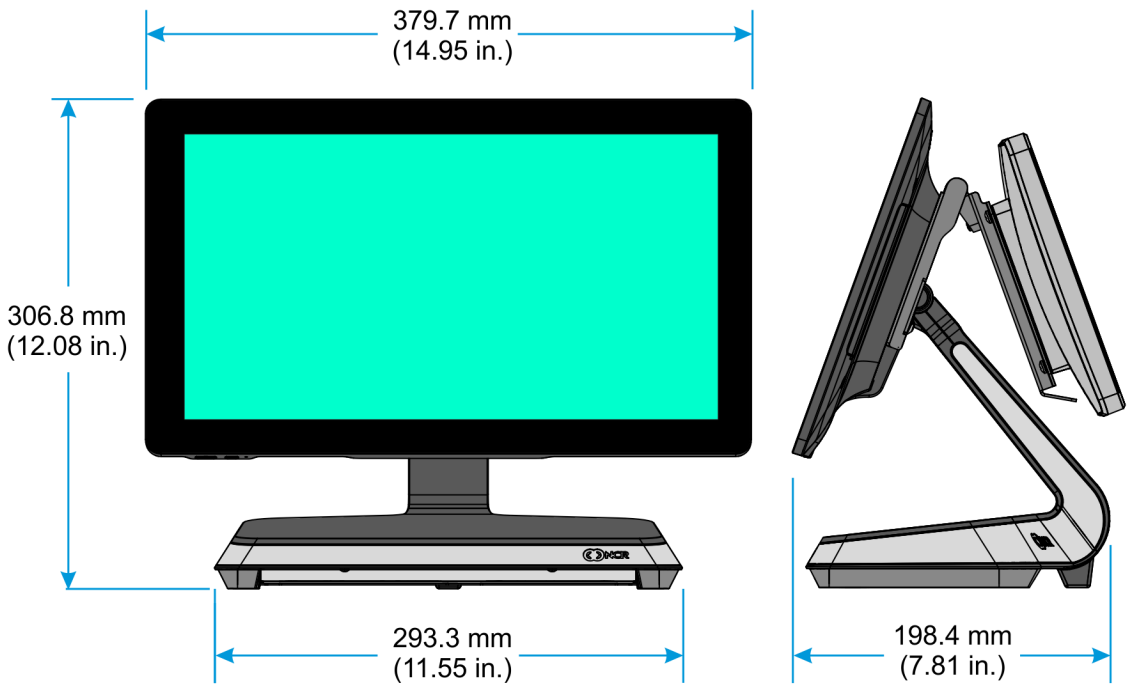
**With 10" (XL10) Base Display (F435/F436/F439/F455/F456/K455)**



***Tilt Angle***



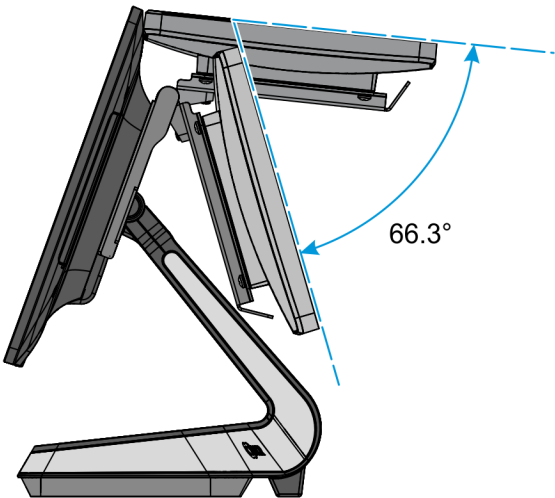
**With High Mount 10" TES Customer Display (F434)**



CCP-84054

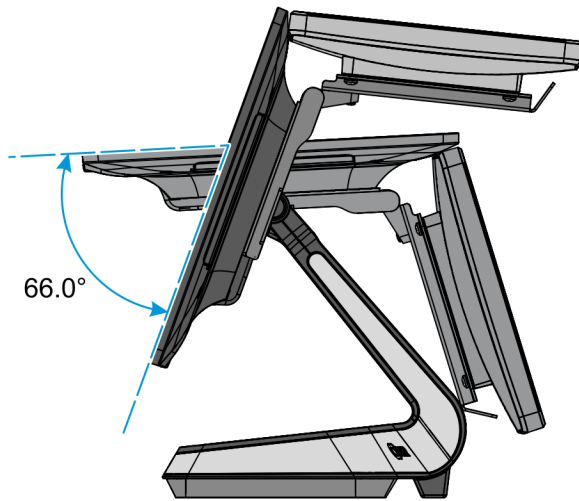
***Tilt Angle***

***Tilt Angle of 10" TES Customer Display on CX Head***



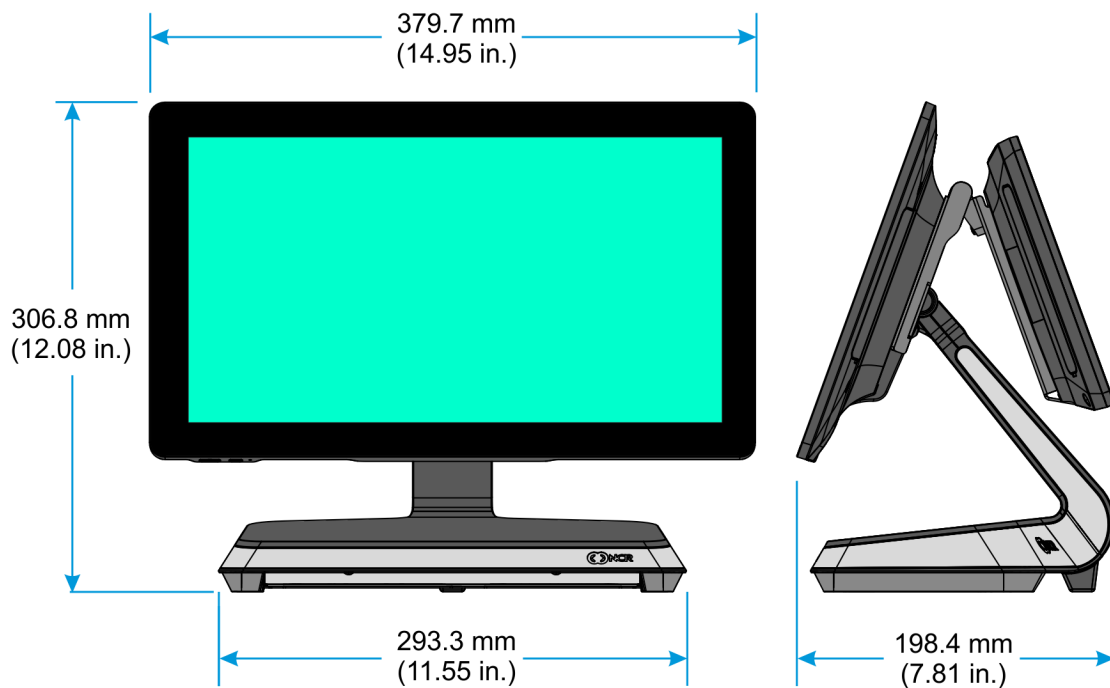
CCP-84055

### ***Tilt Angle of CX Head with 10" TES Customer Display***



CCP-84056

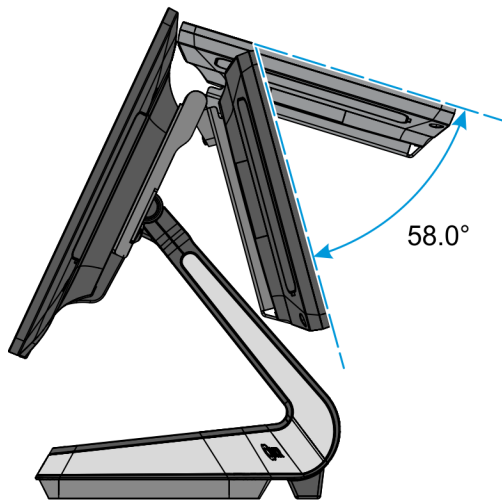
### **With High Mount 10" (XL10) (USB-C) Customer Display (F475/F476)**



CCP-81585

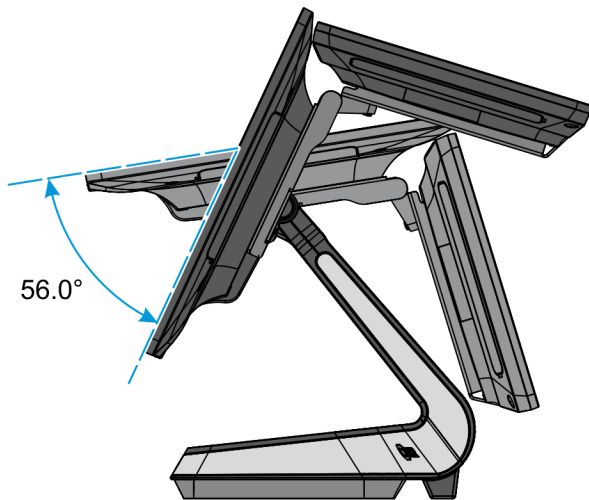
## ***Tilt Angle***

### ***Tilt Angle of XL10 Customer Display on CX Head***



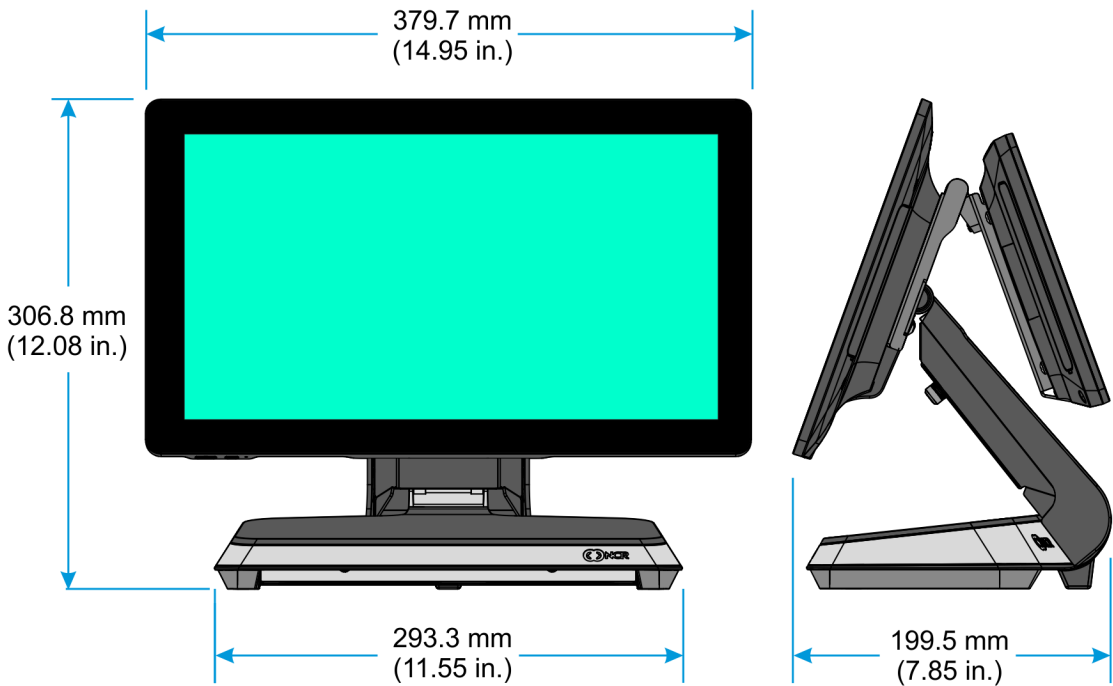
CCP-81586

### ***Tilt Angle of CX Head with XL10 Customer Display***



CCP-81587

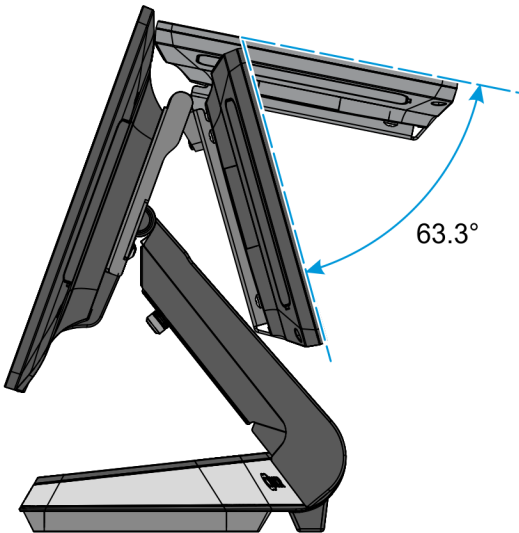
**With High Mount 10" (XL10) DP Customer Display (F437/F438)**



CCP-84060

***Tilt Angle***

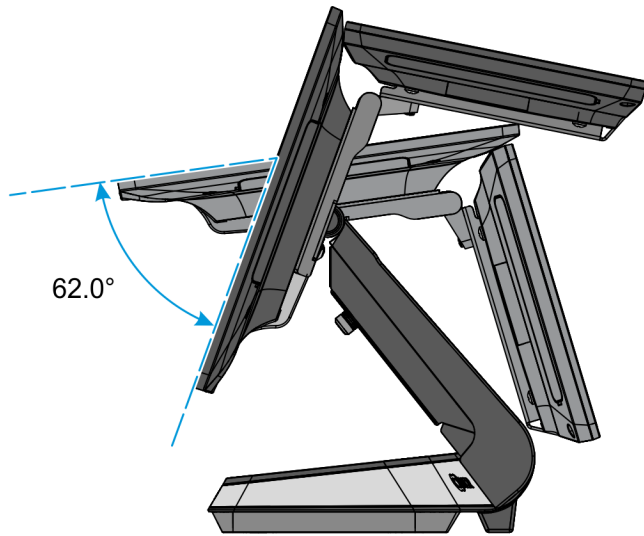
***Tilt Angle of XL10 Customer Display on CX Head***



CCP-84061

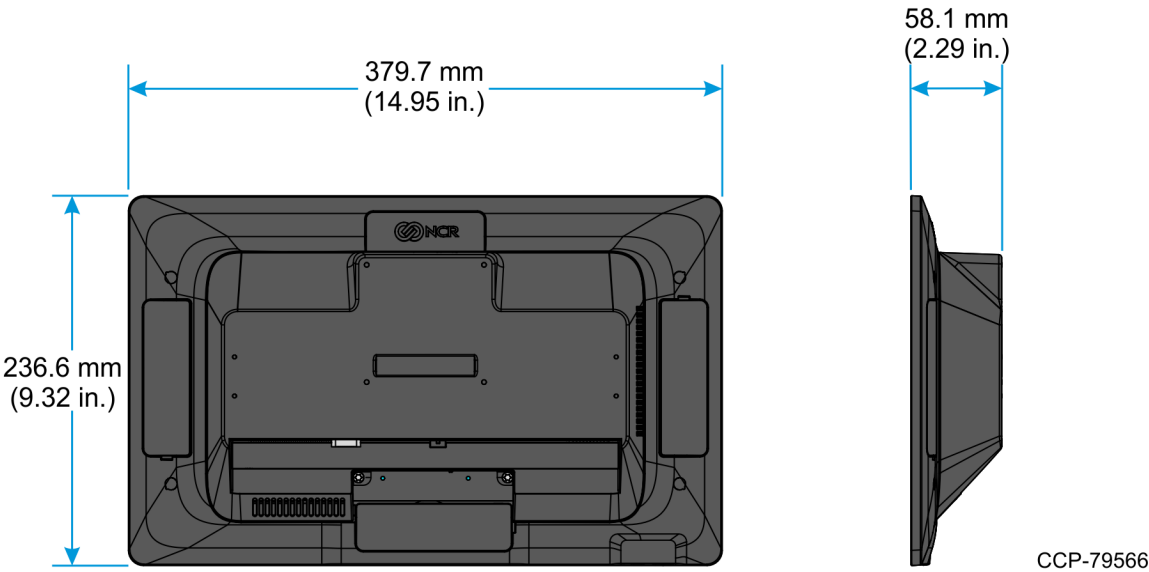


## ***Tilt Angle of CX Head with XL10 Customer Display***

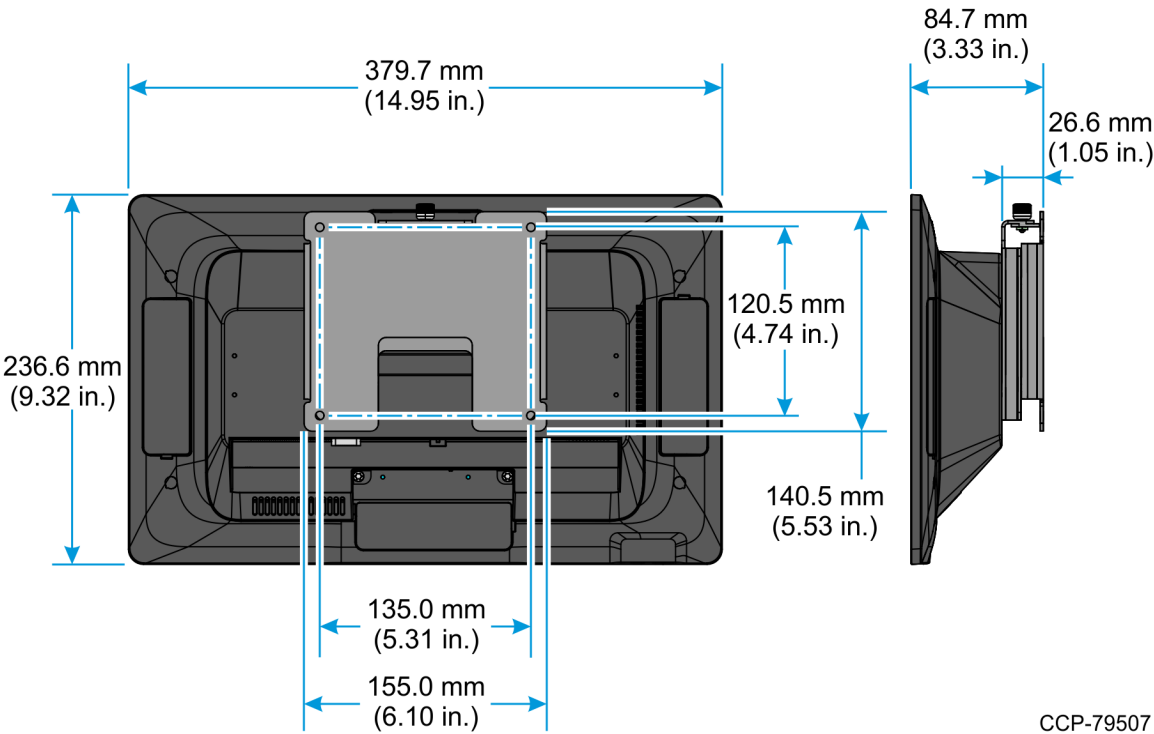


CCP-84062

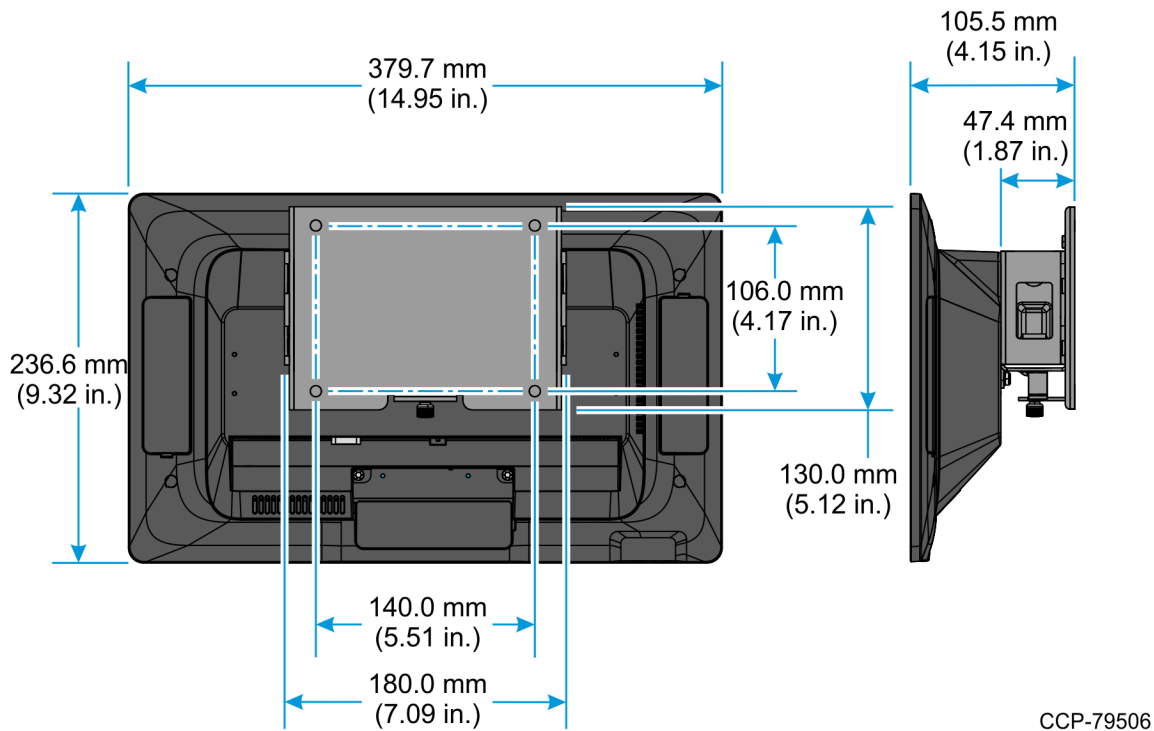
# CX7 15.6" 16:9 Display with Integrated I/O (F036/F037)



## With Wall Mount (7772-K320)

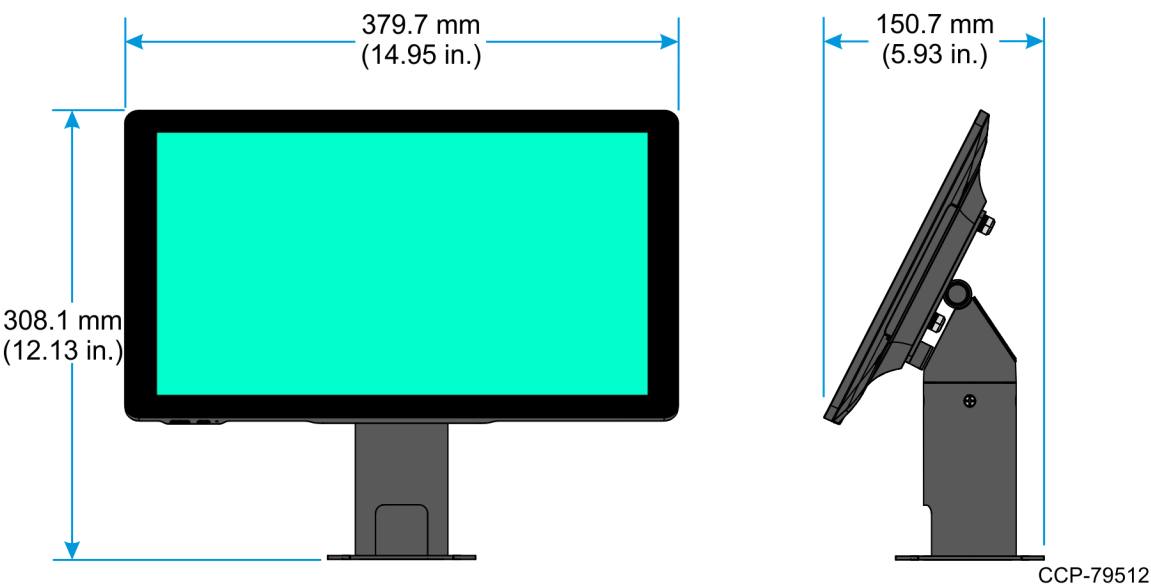


With Wall Mount, Power Supply (7772-K325)

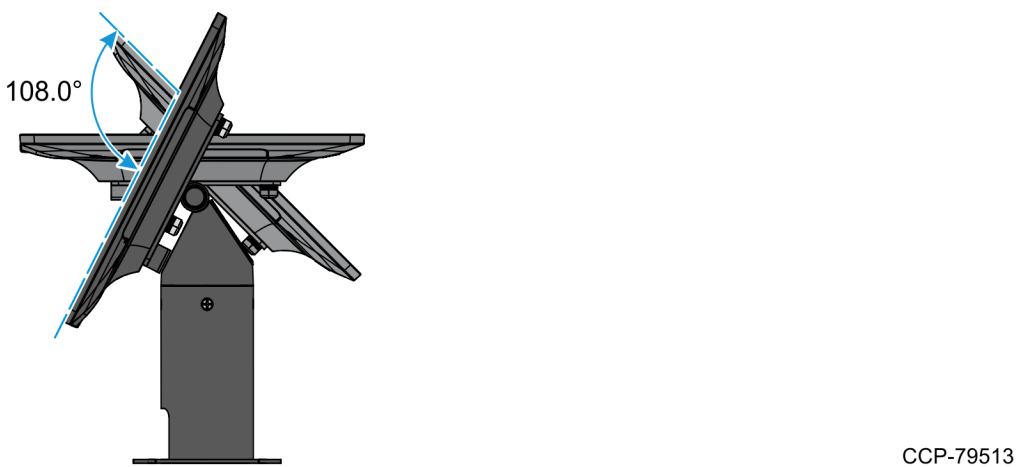


# CX7 15.6" 16:9 Display Mounts for Remote I/O

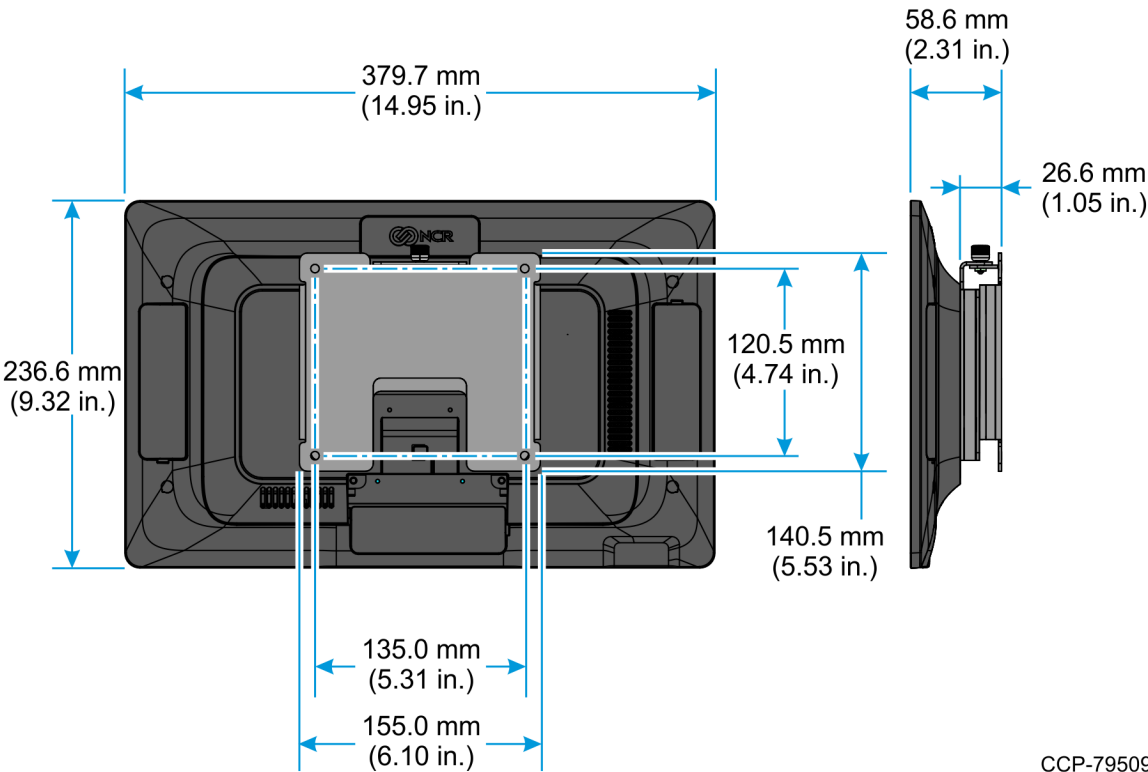
## With Pole Mount (7772-K400)



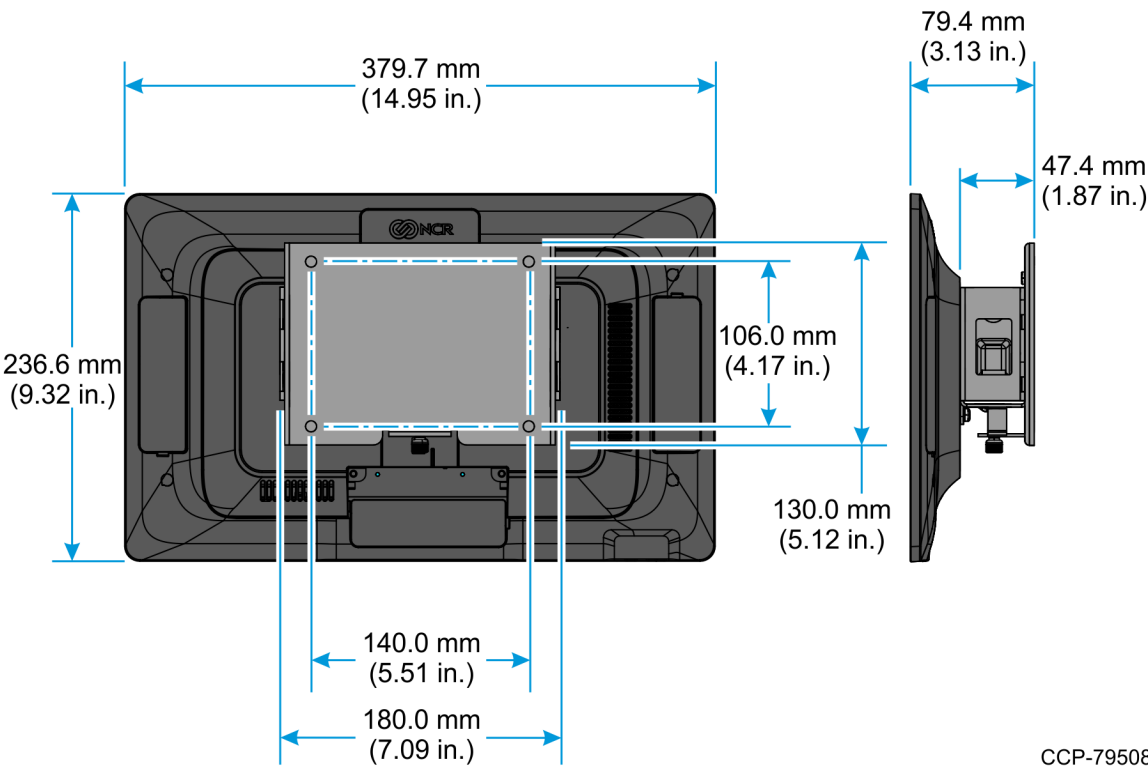
### Tilt Angle



**With Wall Mount (7772-K320)**

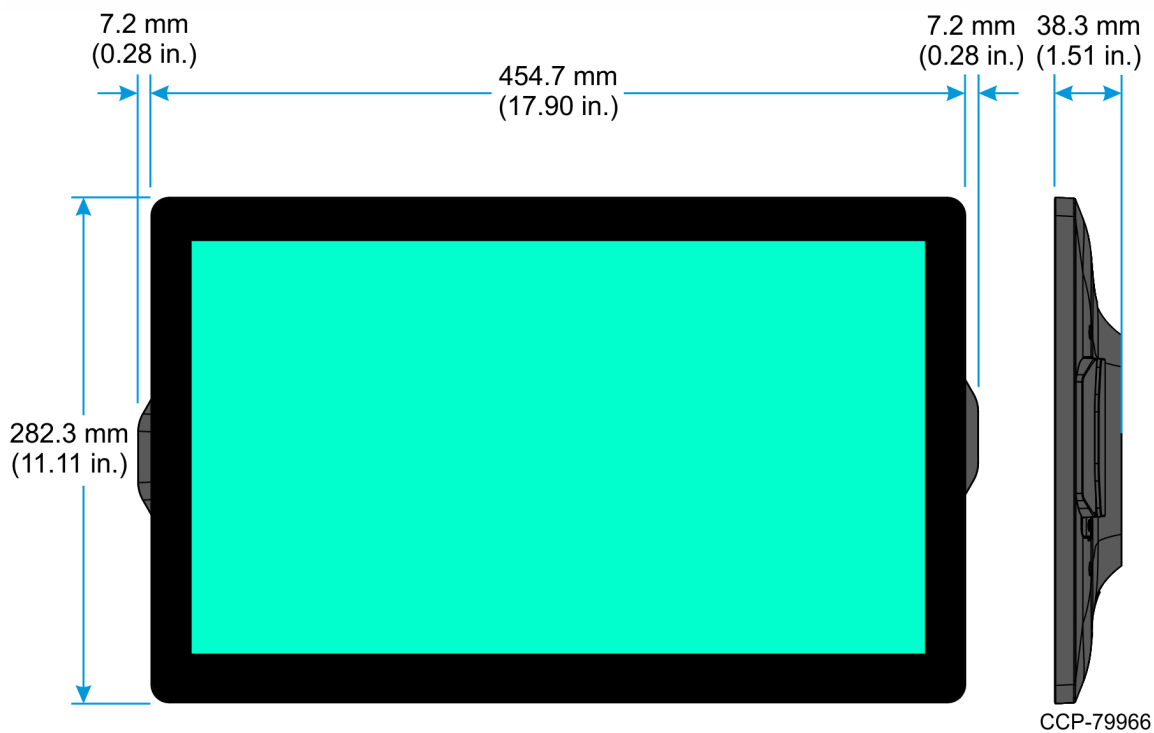


**With Wall Mount, Power Supply (7772-K325)**

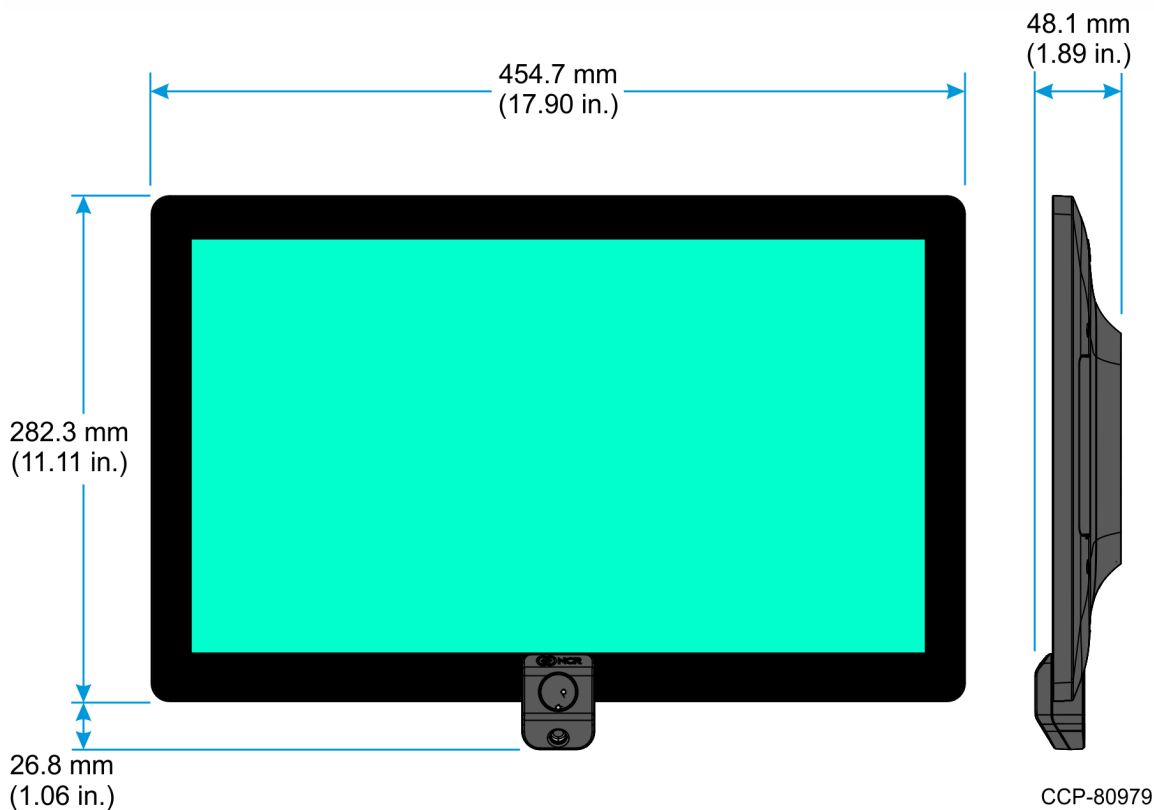


# CX7 18.5" Display Only (F018)

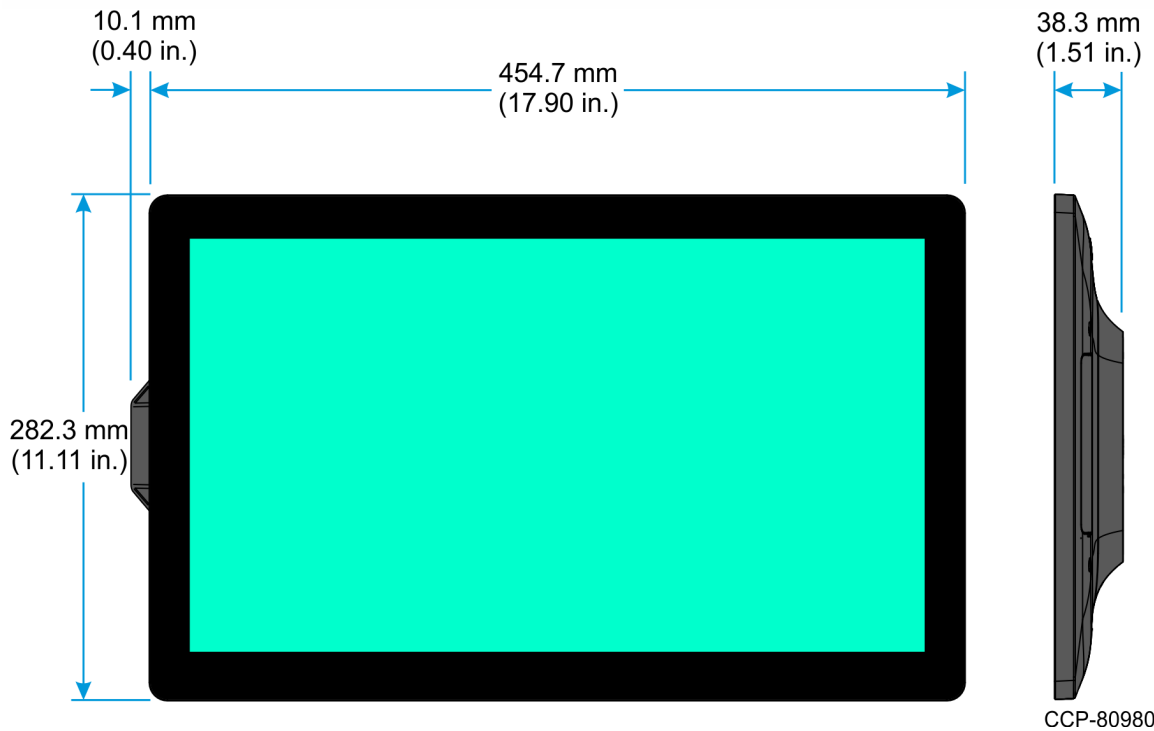
## With Biometrics (F151/K151) and MSR (F141/K141)



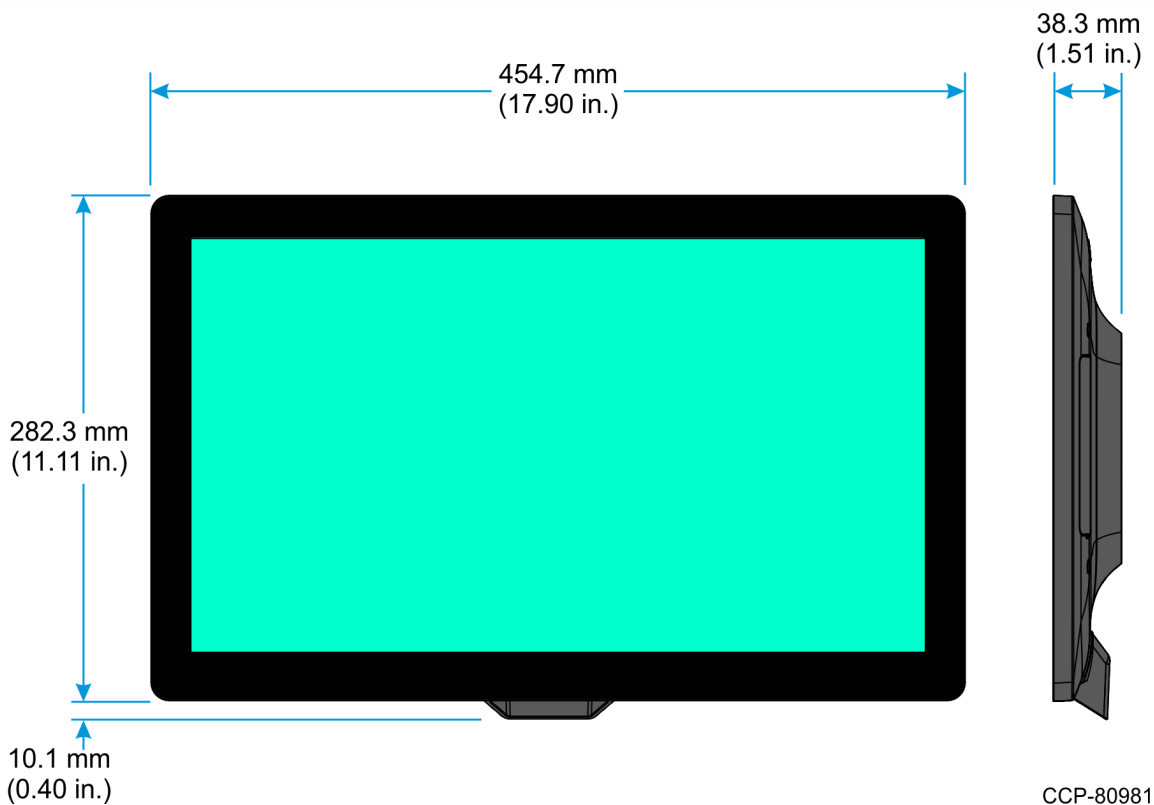
**With 2-in-1 Sign-In (F161/K161)**



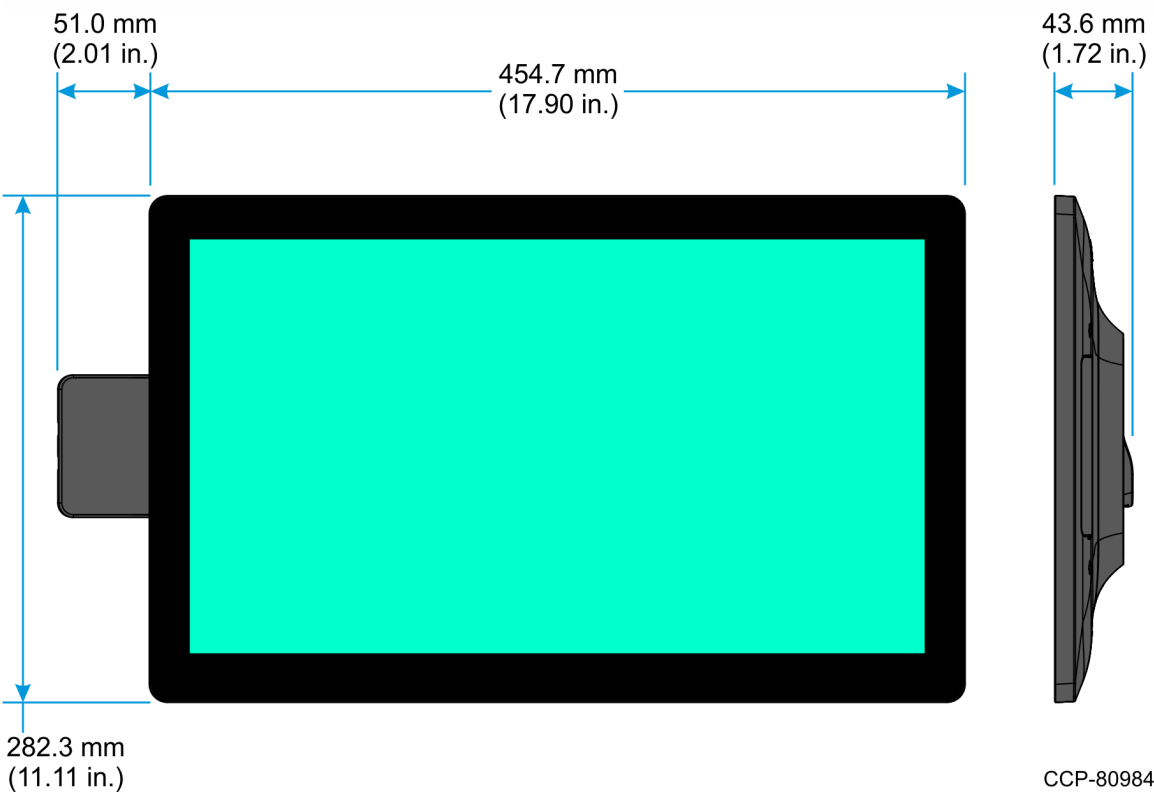
**With Imager (Port B) (F156/K156)**



**With Imager (Port C) (F166)**

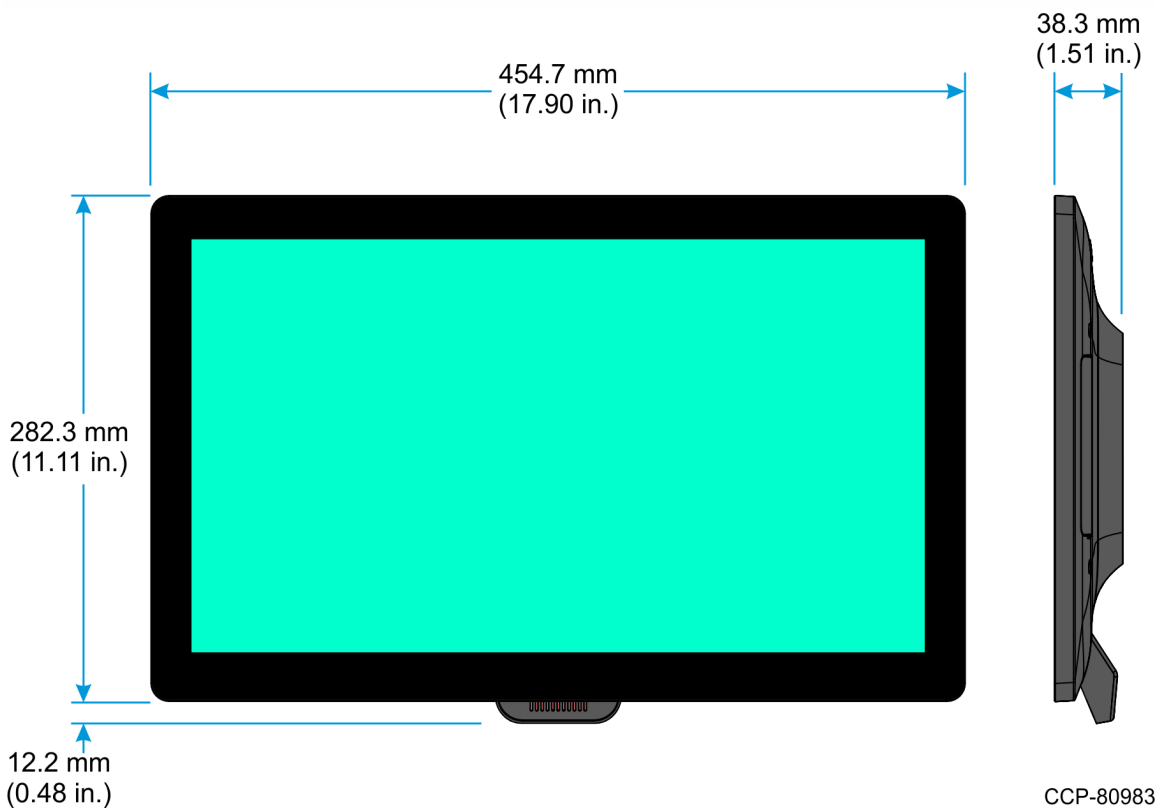


**With UV Bill Validator (F157/K157)**

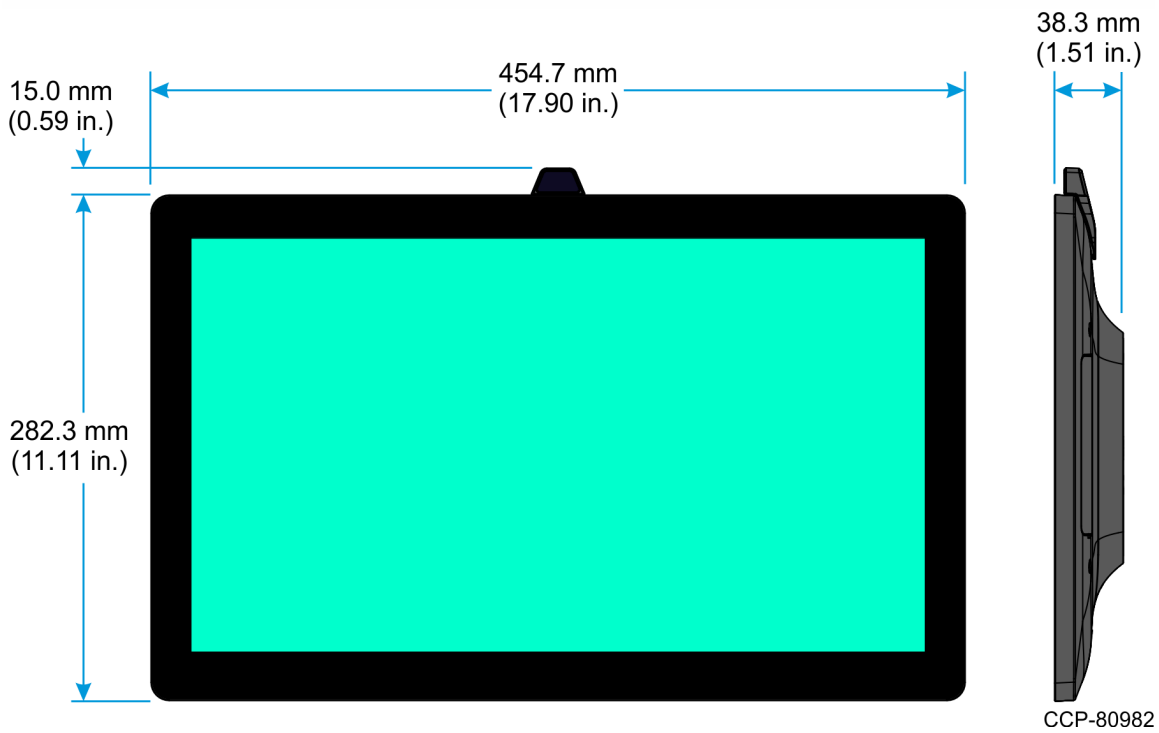




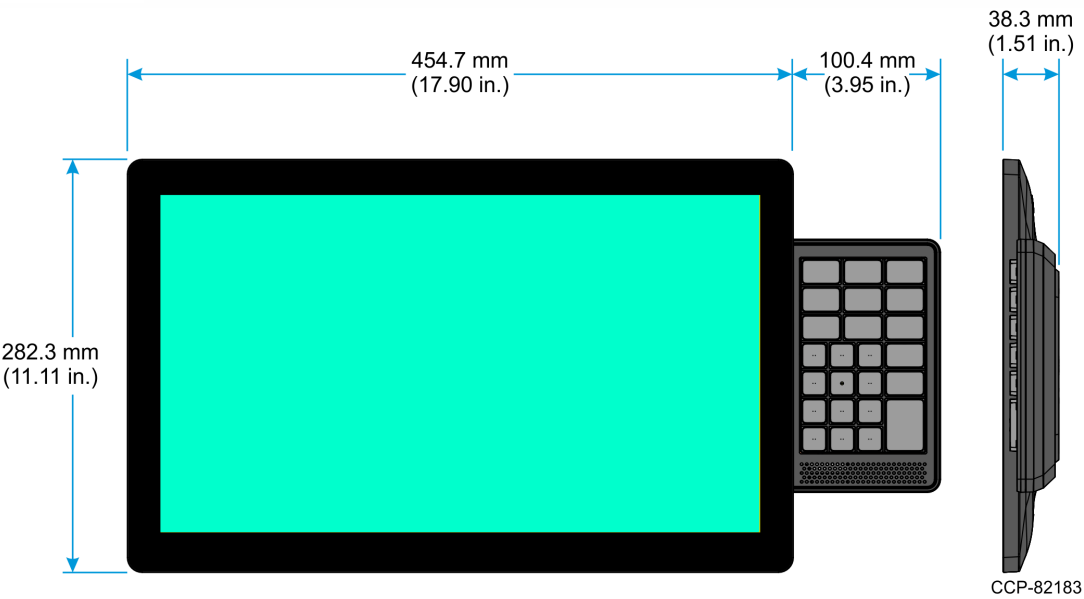
**With External Speaker (F169/K169)**



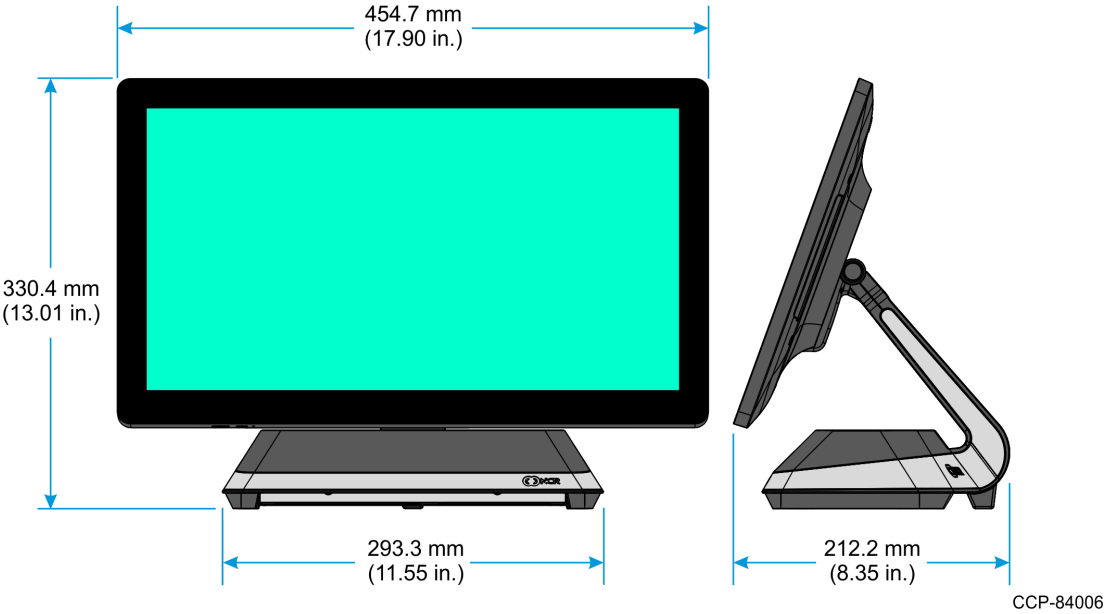
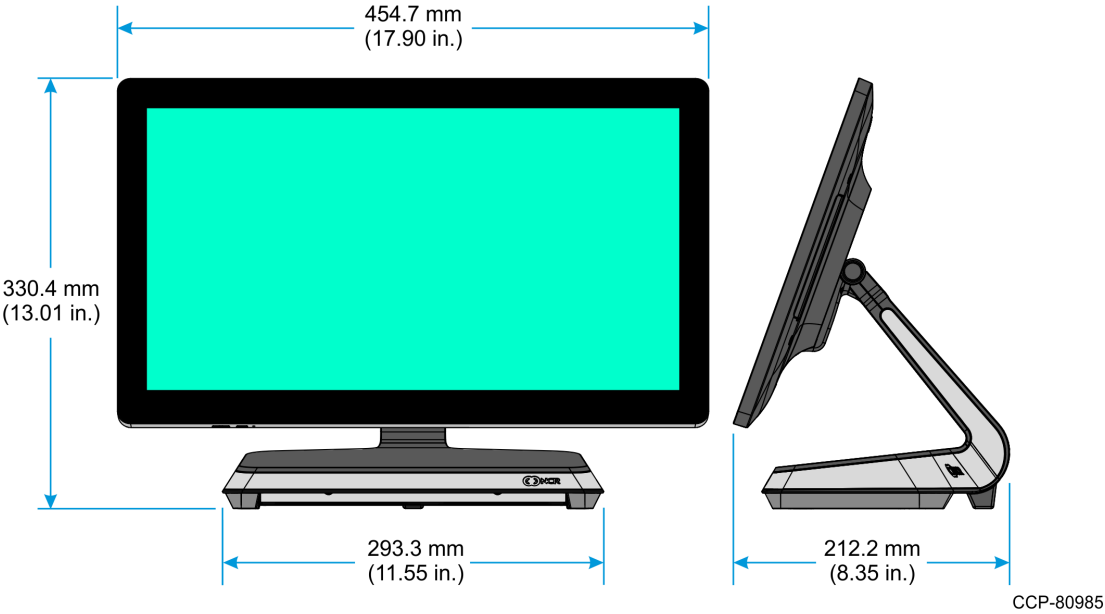
**With Camera (F460/K460)**



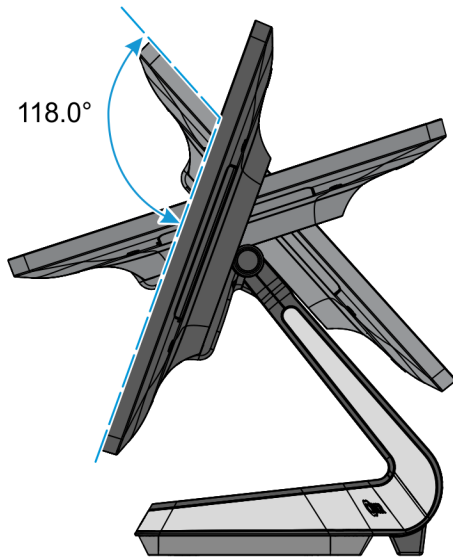
With Keypad (F149/K149)



# CX7 18.5" Display with Base

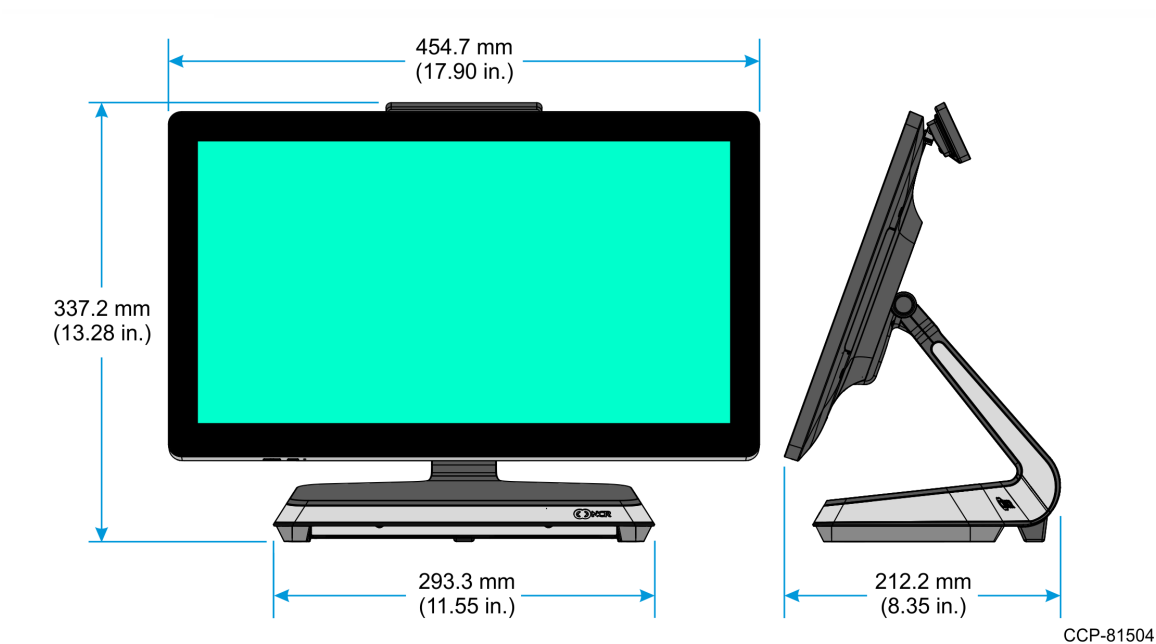
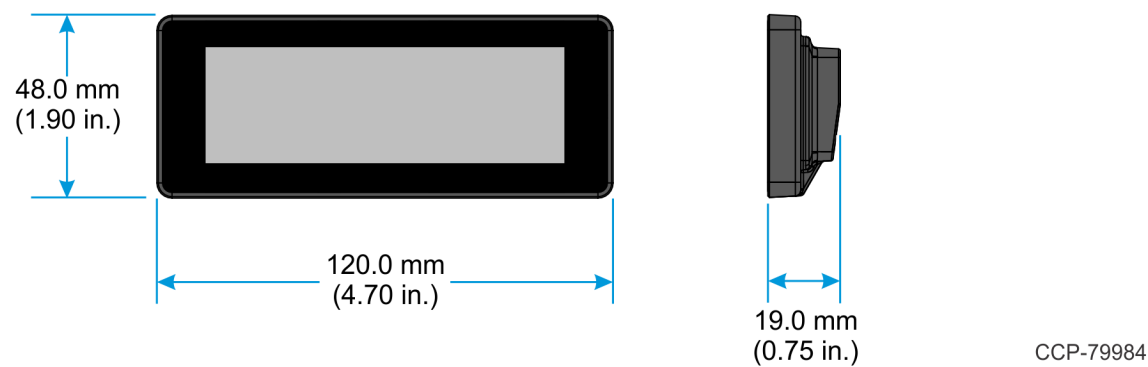


## Tilt Angle



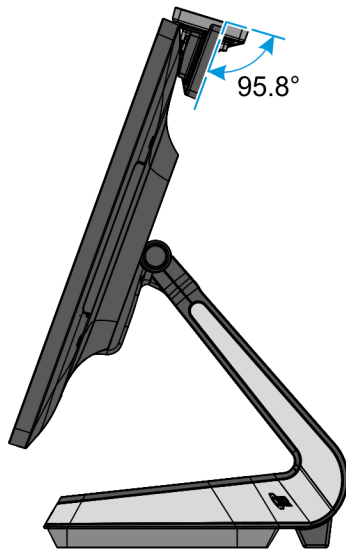
CCP-80986

With APA Graphical Display (F491)



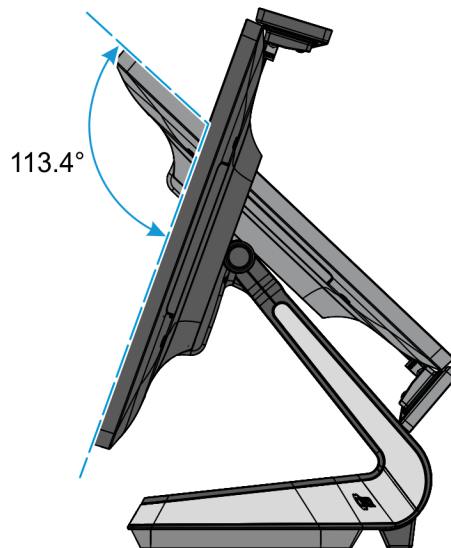
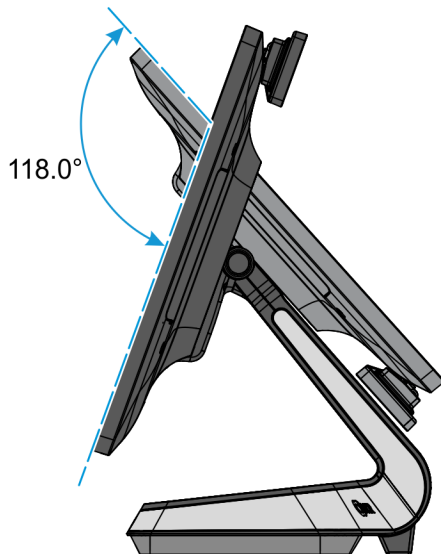
## ***Tilt Angle***

### ***Tilt Angle of APA Graphical Display on CX Head***



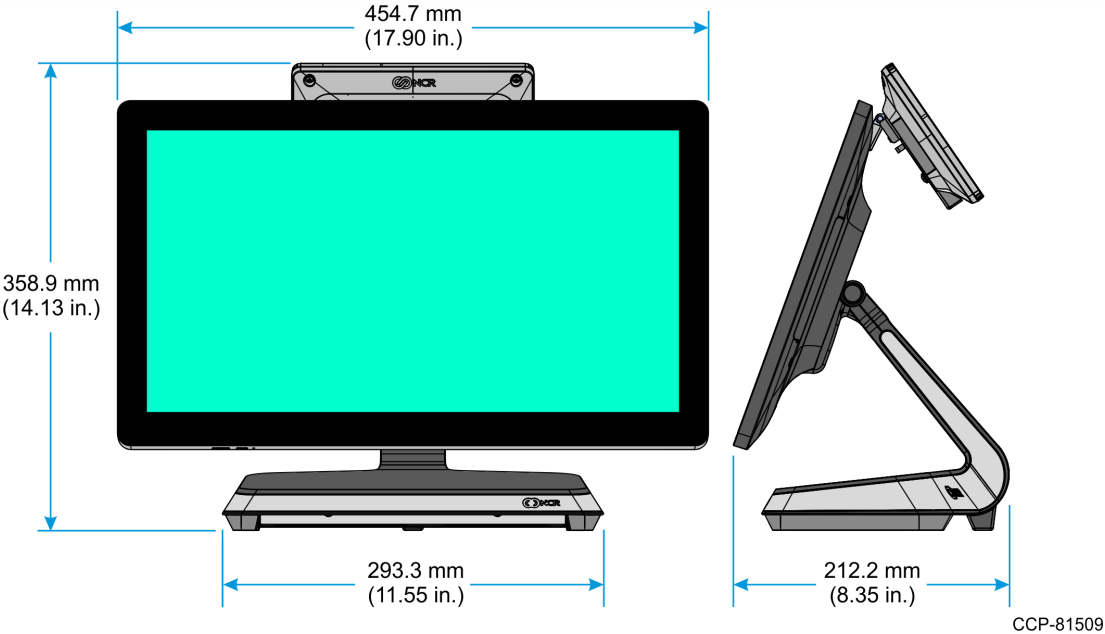
CCP-81505

### ***Tilt Angle of CX Head with APA Graphical Display***

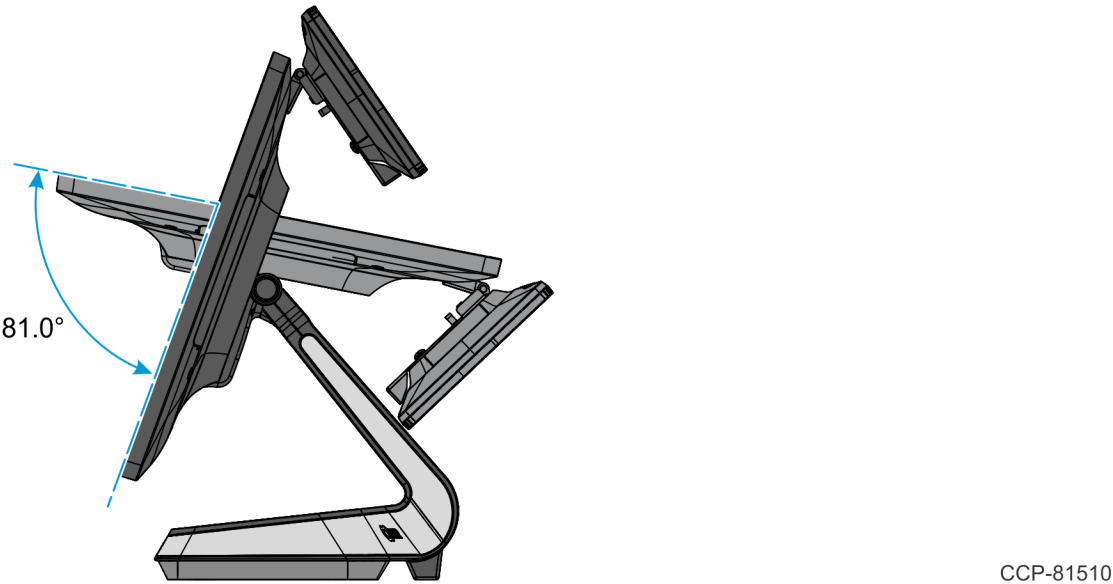


CCP-81506

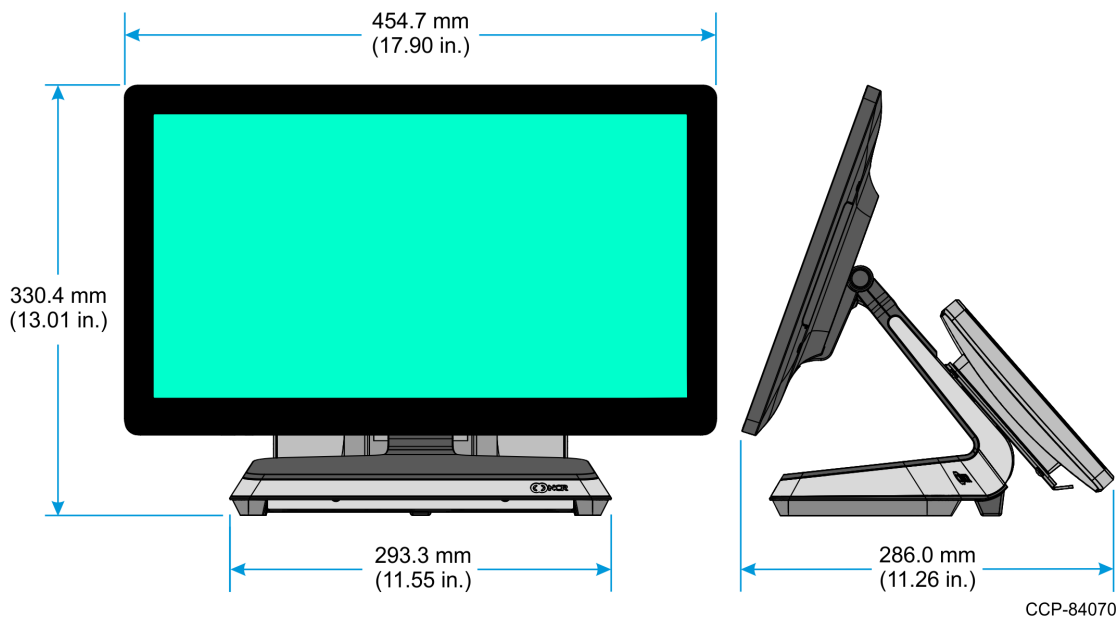
**With 7" (XL7) Customer Display (F492/F493)**



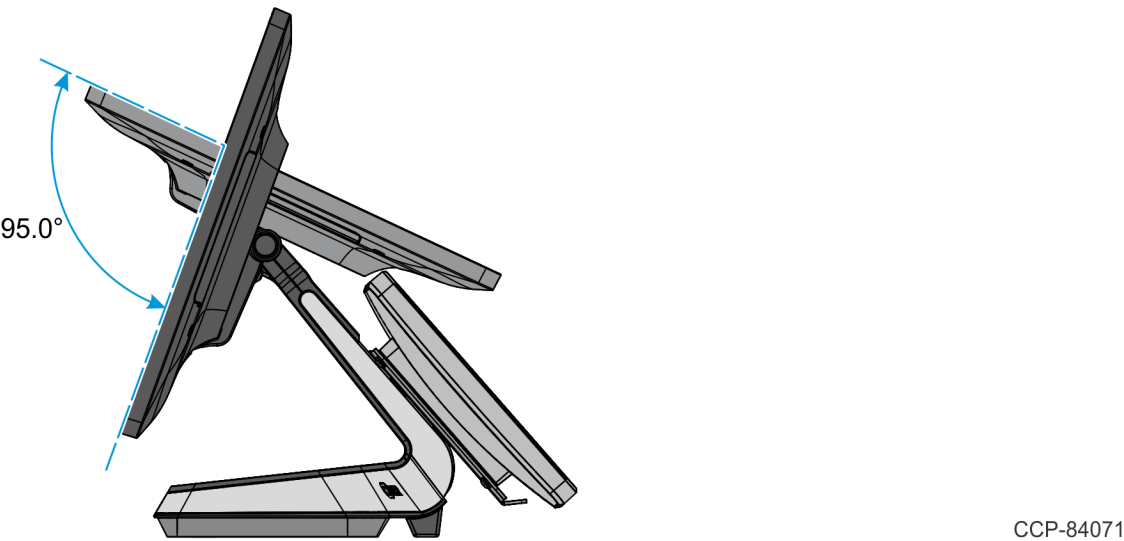
***Tilt Angle***



**With 10" TES Base Display (F446)**

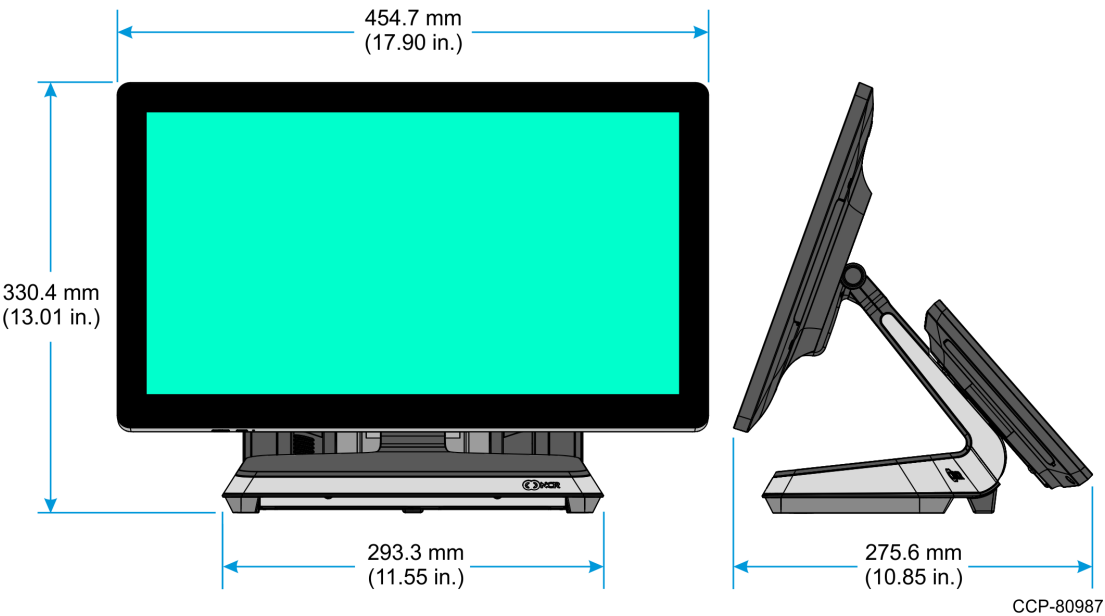


***Tilt Angle***

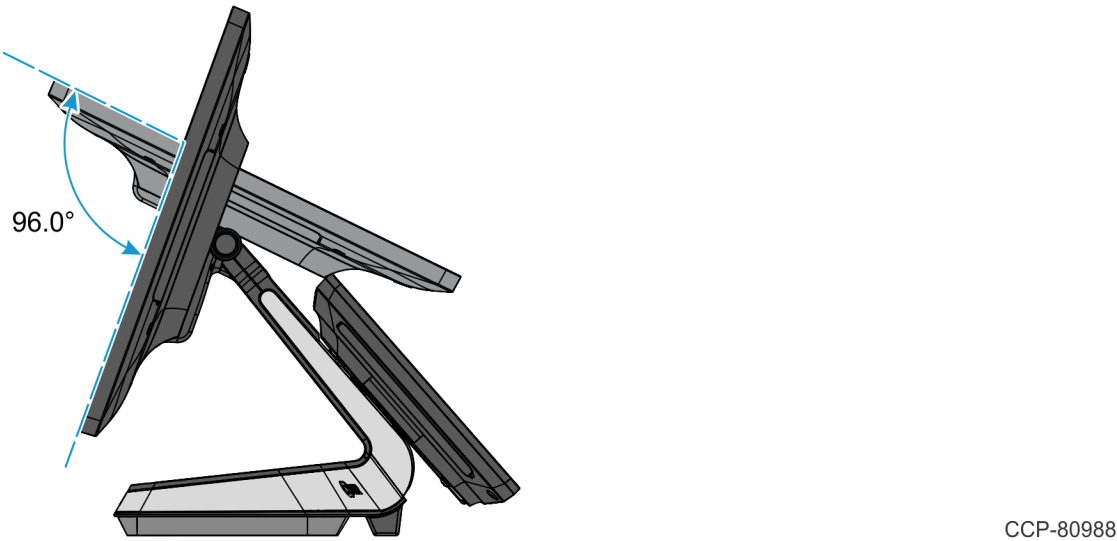




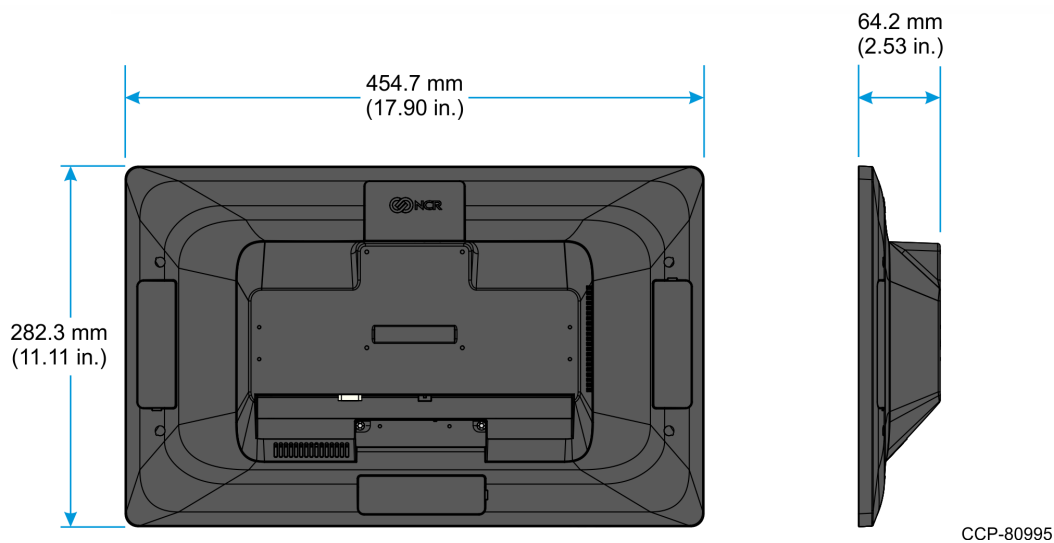
**With 10" (XL10) Base Display (F435/F436/F455/F456/K455)**



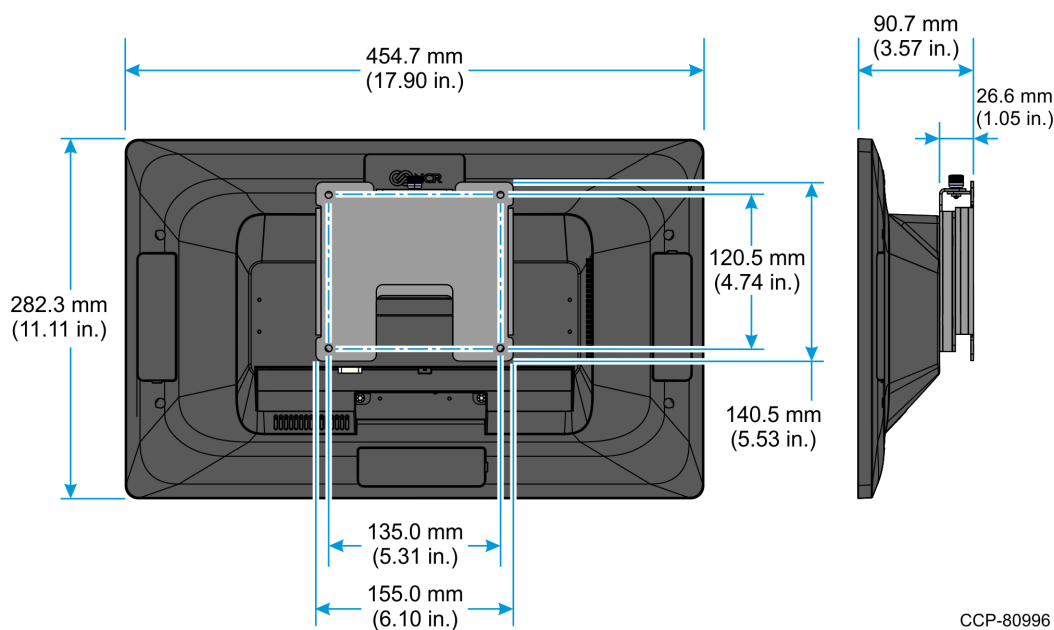
***Tilt Angle***



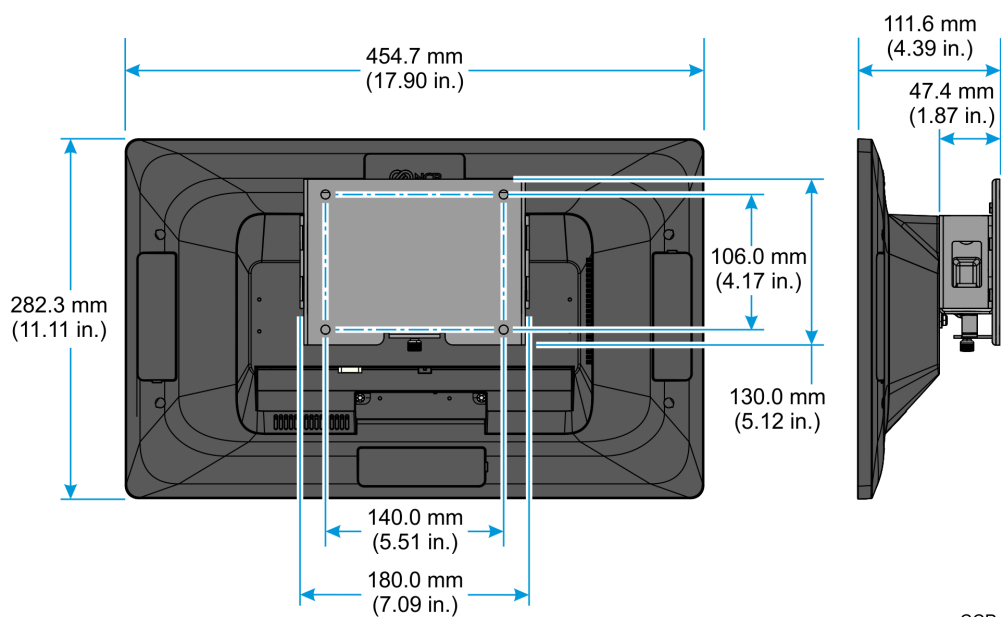
# CX7 18.5" Display with Integrated I/O (F036/F037)



## With Wall Mount (7772-K320)



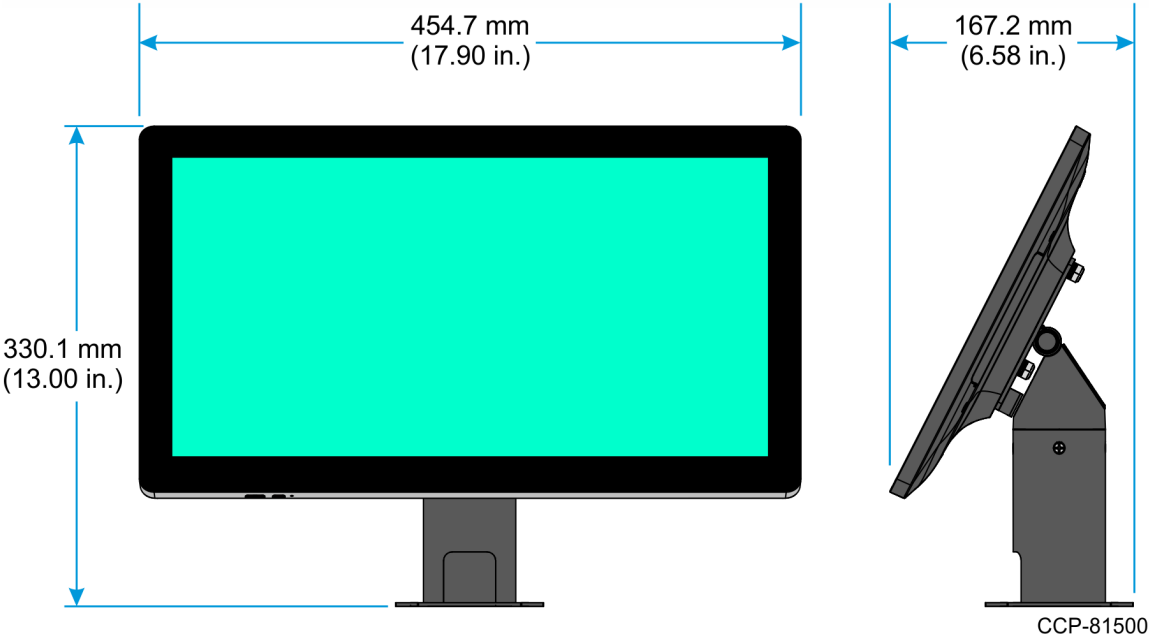
With Wall Mount, Power Supply (7772-K325)



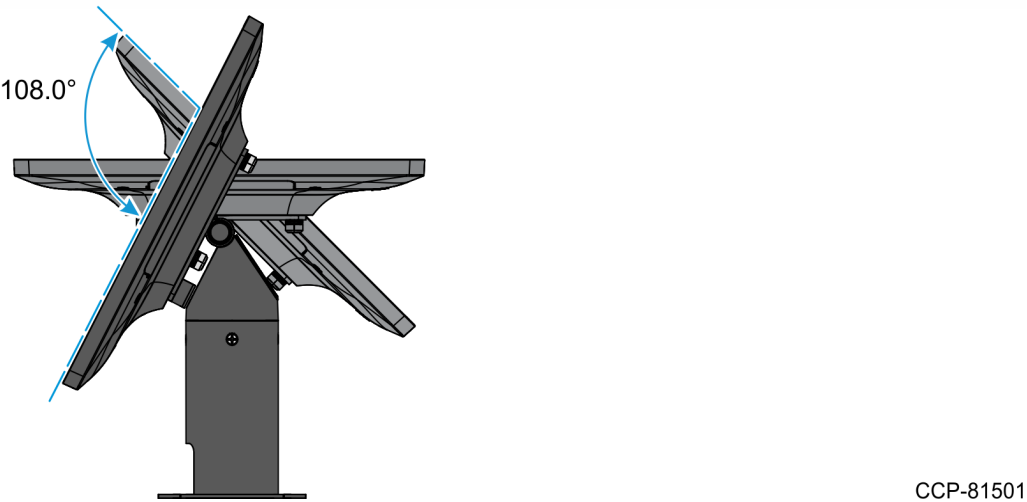
CCP-80997

# CX7 18.5" Display Mounts for Remote I/O

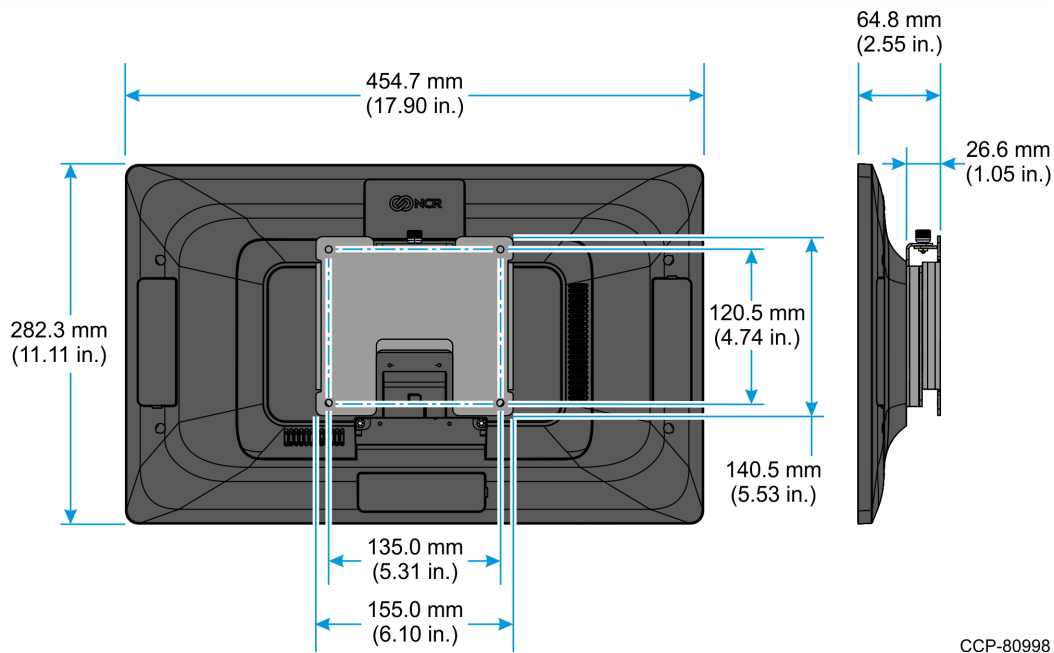
## With Pole Mount (7772-K400)



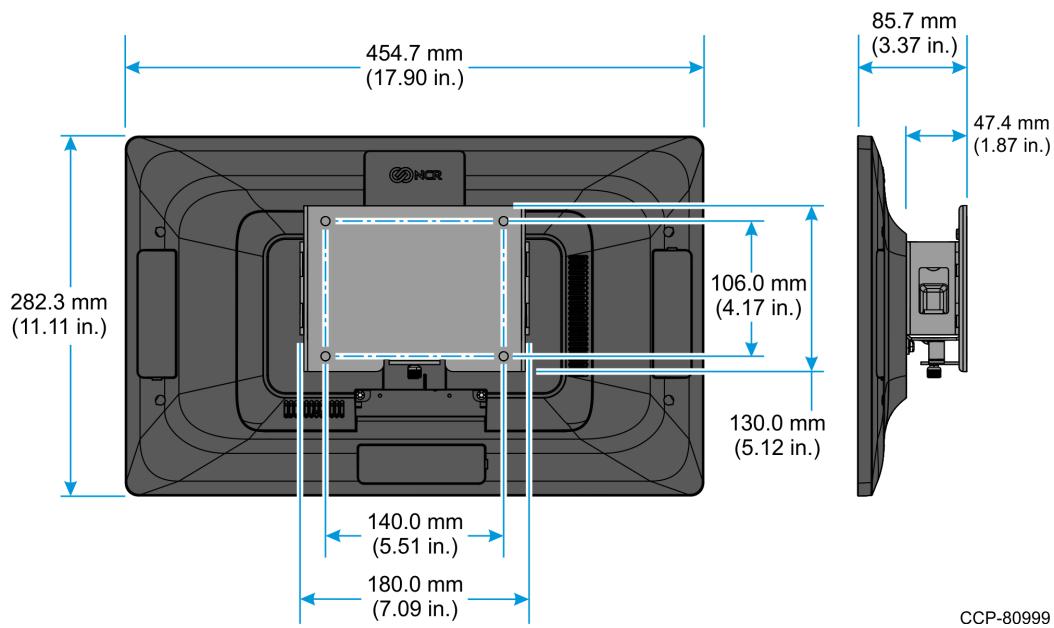
### Tilt Angle



**With Wall Mount (7772-K320)**



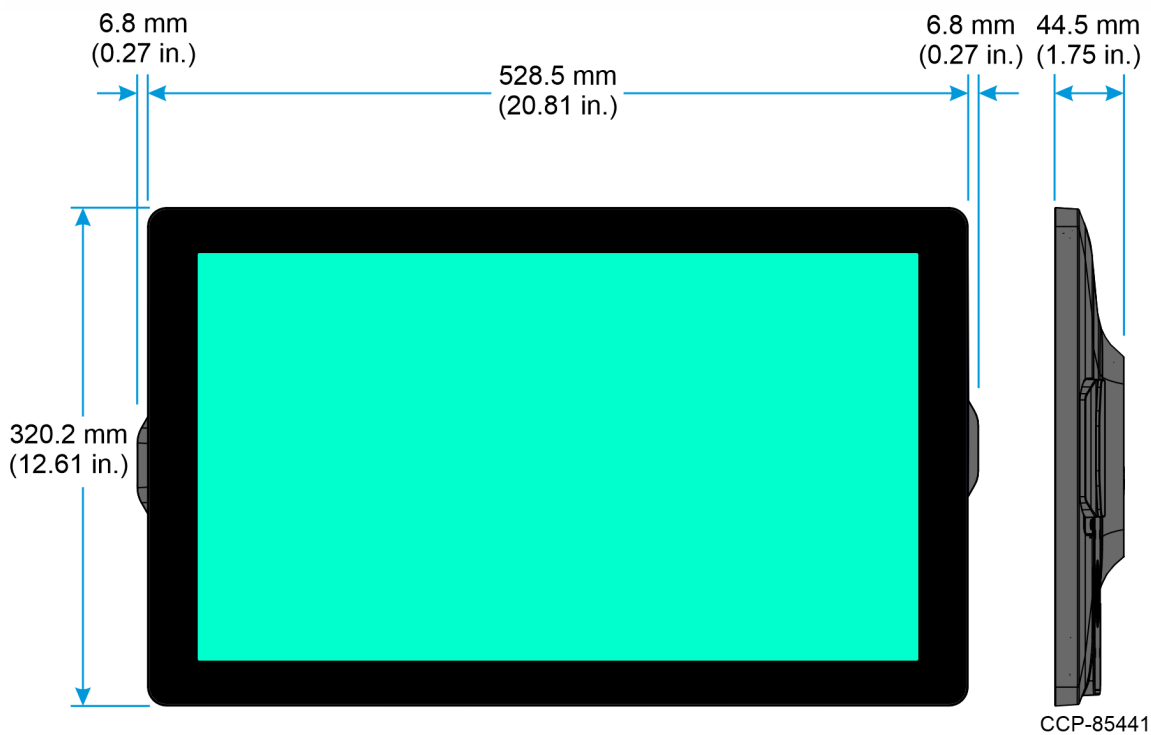
**With Wall Mount, Power Supply (7772-K325)**



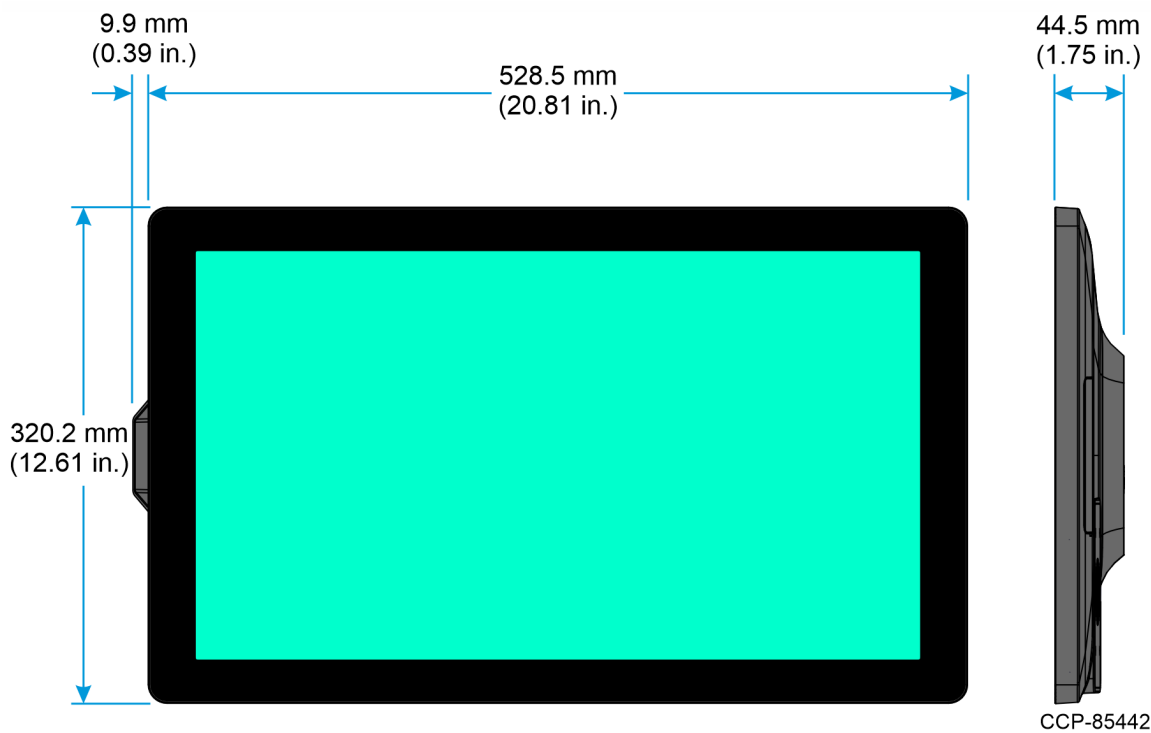
Confidential and proprietary information of NCR Voyix.  
Use and disclose solely pursuant to company instructions.

# CX7 21.5" Display Only (F022)

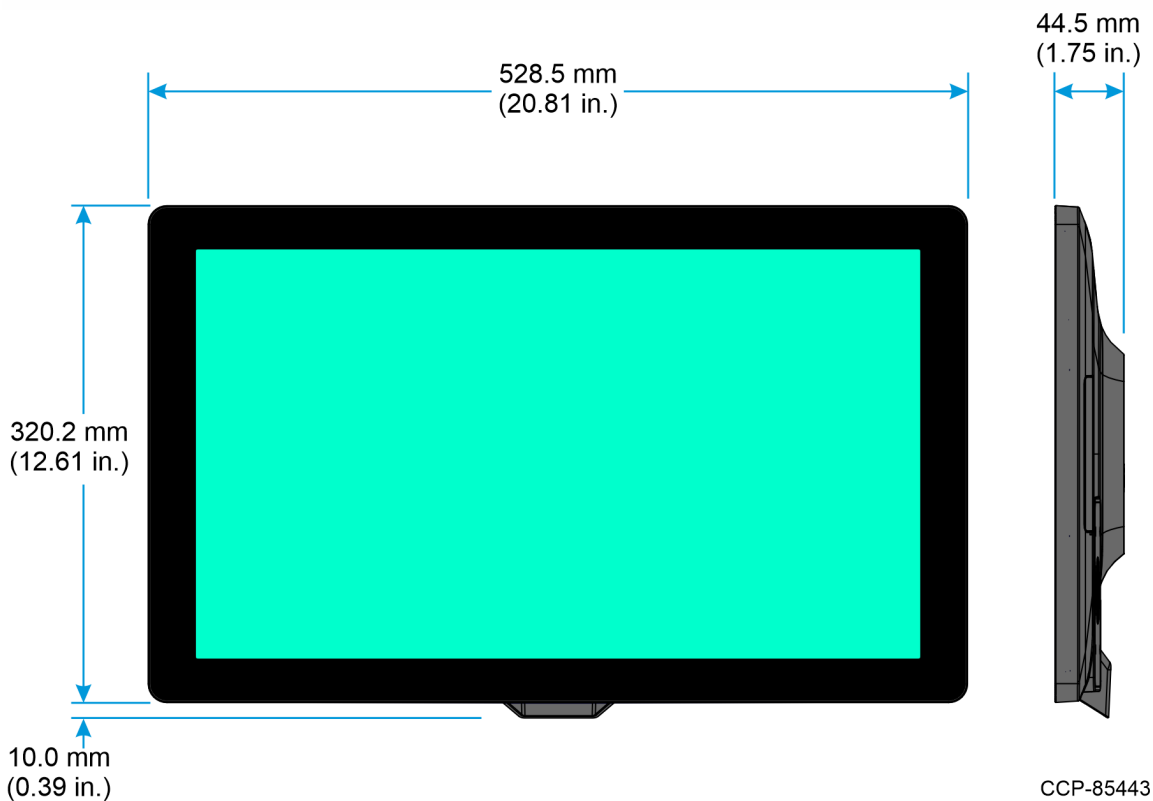
## With Biometrics (F151/K151) and MSR (F141/K141)



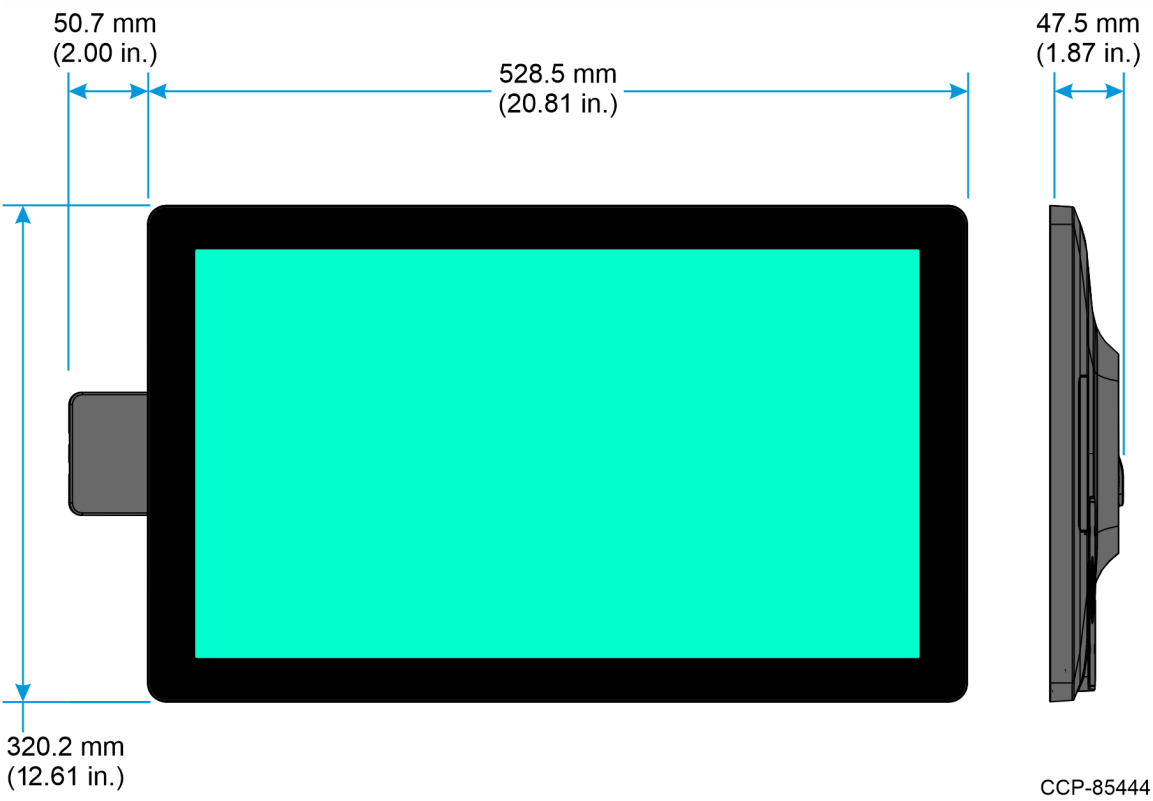
## With Imager (Port B) (F156/K156)



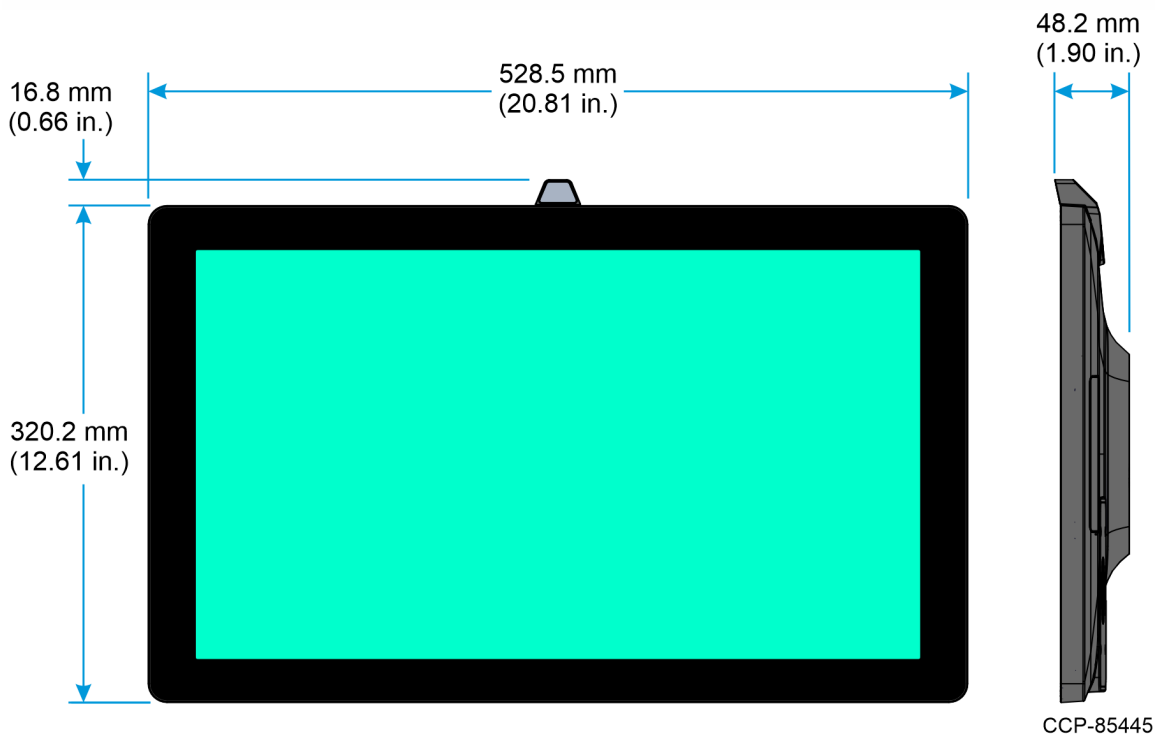
**With Imager (Port C) (F166)**



**With UV Bill Validator (F157/K157)**

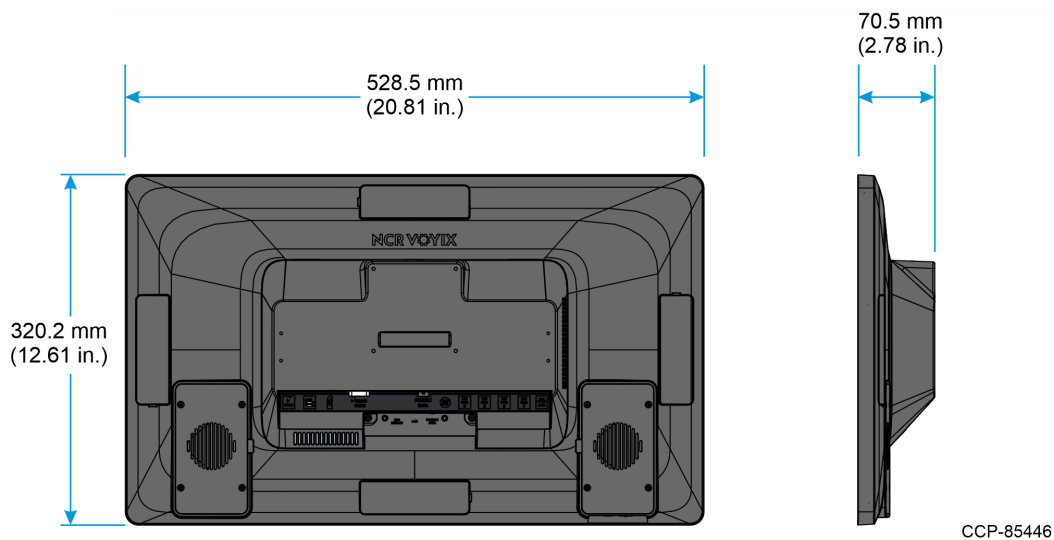


# With Camera (F551)

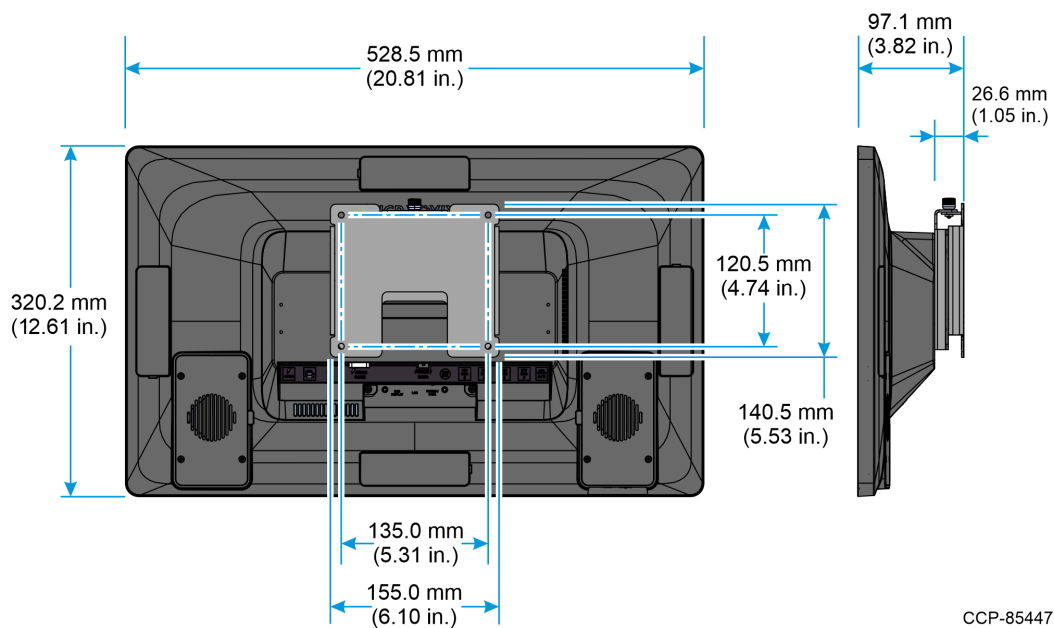




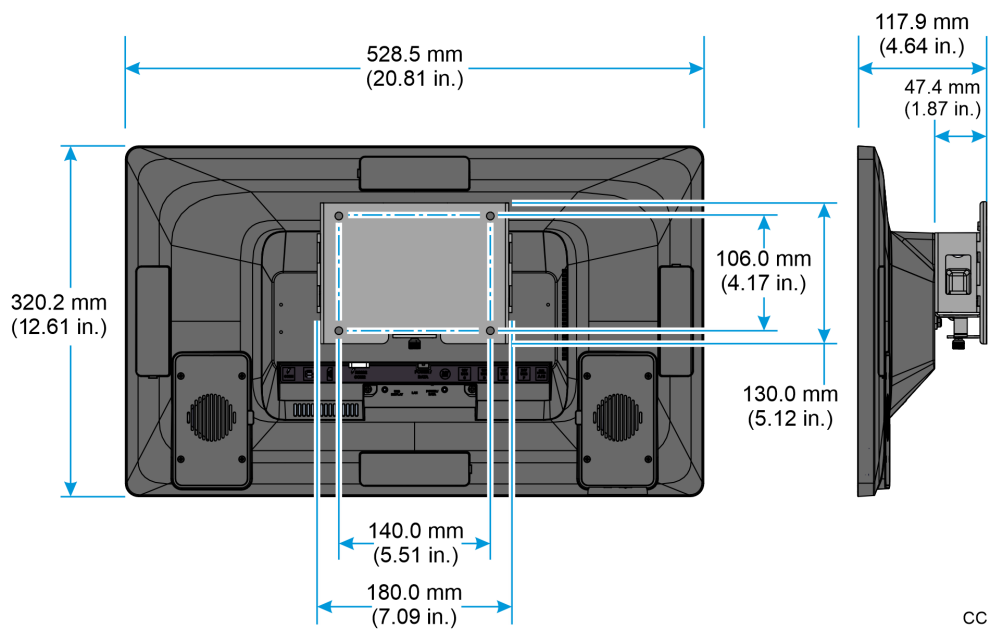
# CX7 21.5" Display with Integrated I/O (F036)



## With Wall Mount (7772-K320)



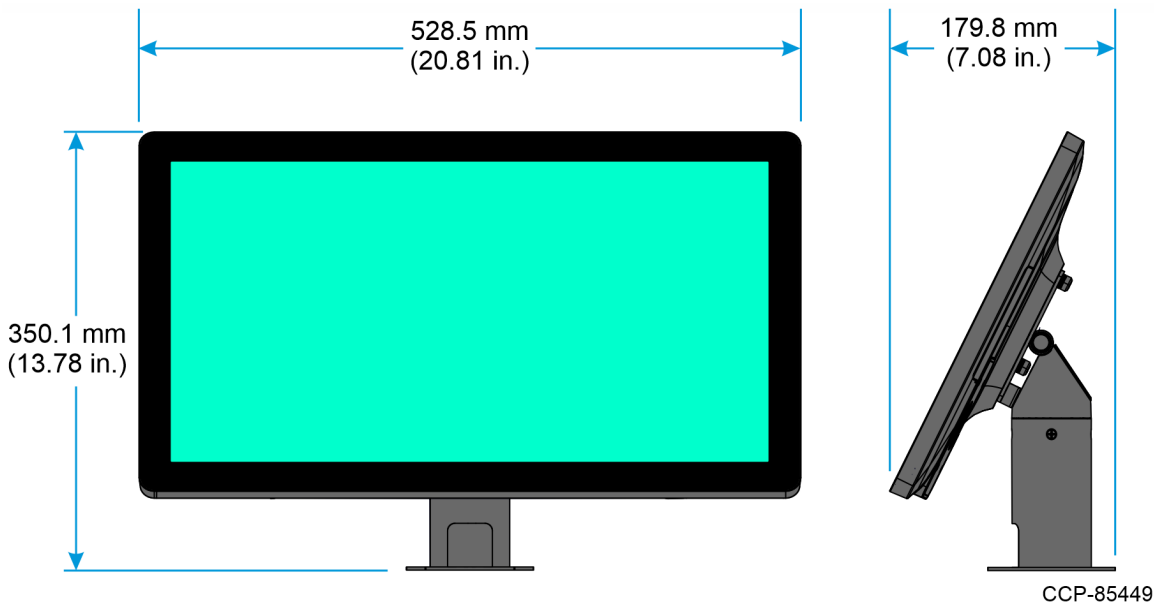
With Wall Mount, Power Supply (7772-K325)



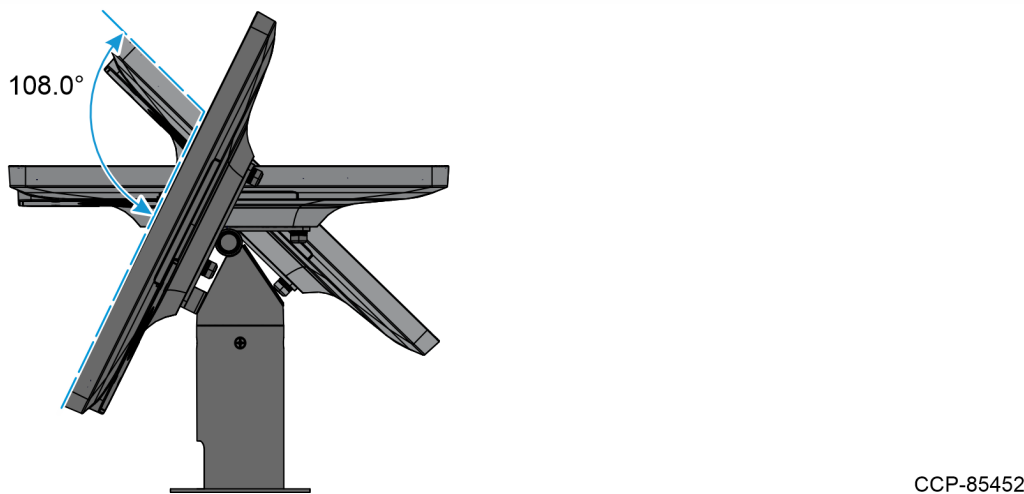
CCP-85448

# CX7 21.5" Display Mounts for Remote I/O

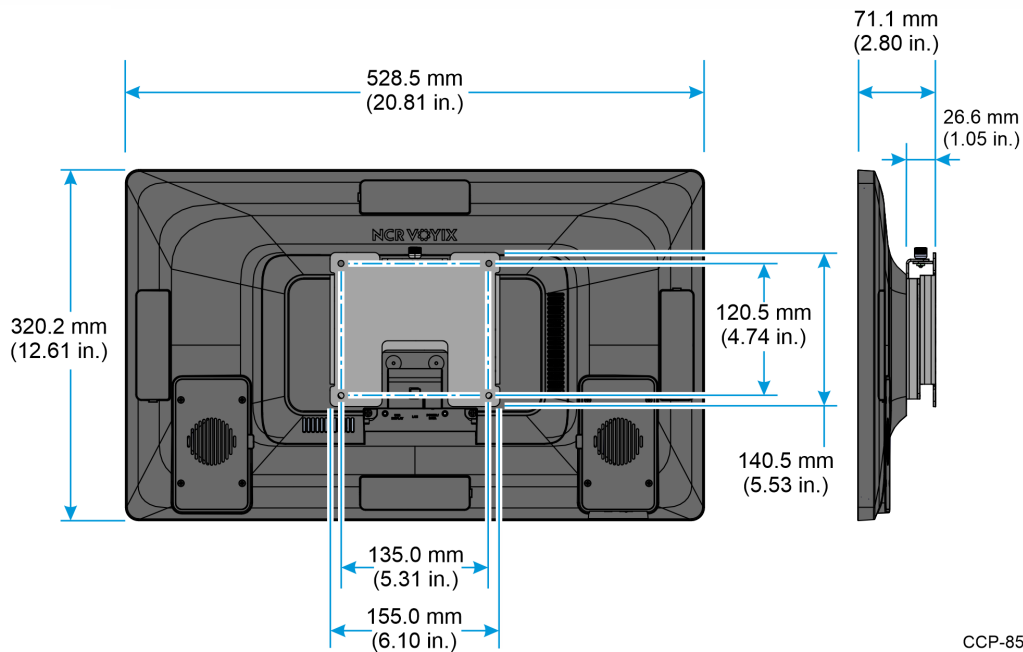
## With Pole Mount (7772-K400)



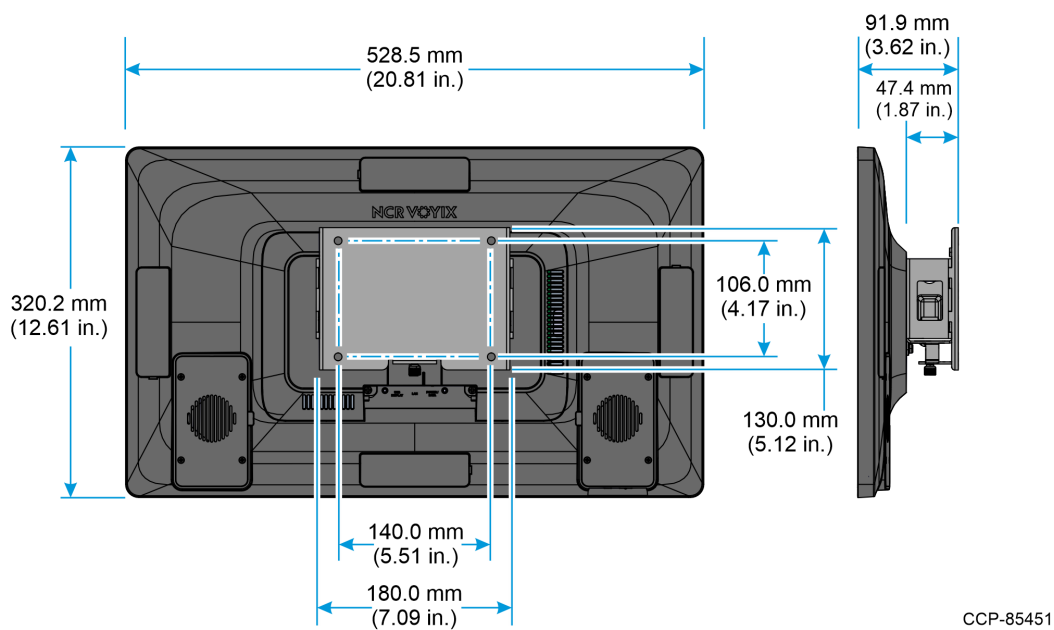
### Tilt Angle



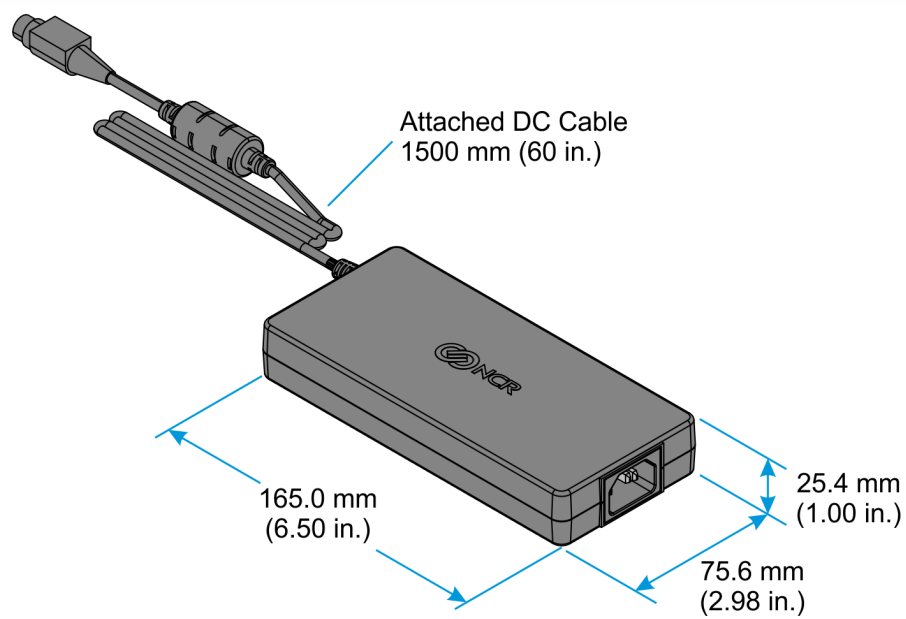
**With Wall Mount (7772-K320)**



**With Wall Mount, Power Supply (7772-K325)**



# Power Supply



CCP-77024

# Terminal Weight

Component	Weight
<b>15.6" Projected Capacitive</b>	
15.6" CX7 with Base	5.15 kg (11.35 lbs)
15.6" CX7 without Base	2.40 kg (5.30 lbs)
15.6" CX7 with Integrated I/O	2.86 kg (6.30 lbs)
15.6" CX7 with Remote I/O	3.54 kg (7.80 lbs)
<b>15" 4:3 Projected Capacitive</b>	
15" 4:3 CX7 with Base	5.44 kg (12.00 lbs)
15" 4:3 CX7 without Base	2.86 kg (6.30 lbs)
15" 4:3 CX7 with Integrated I/O	3.08 kg (6.80 lbs)
15" 4:3 CX7 with Remote I/O	3.67 kg (8.10 lbs)
<b>18.5" Projected Capacitive</b>	
18.5" CX7 with Base	6.53 kg (14.40 lbs)
18.5" CX7 without Base	3.90 kg (8.60 lbs)
18.5" CX7 with Integrated I/O	4.31 kg (9.50 lbs)
18.5" CX7 with Remote I/O	4.99 kg (11.00 lbs)

Component	Weight
<b><i>21.5" Projected Capacitive</i></b>	
21.5" CX7 without Base	4.87 kg (10.74 lbs)
21.5" CX7 with Integrated I/O	5.28 kg (11.64 lbs)
21.5" CX7 with Remote I/O	6.0 kg (13.23 lbs)

# Shipping Weight and Dimensions

Component	Weight	Dimension (L x W x H)
<b>15.6" Projected Capacitive</b>		
15.6" CX7 with Base, Integrated Power Supply, XL7 Customer Display	7.26 kg (16.00 lbs)	489 x 406 x 375 mm (19.25 x 16 x 14.75 in.)
15.6" CX7 with Integrated I/O	5.17 kg (11.40 lbs)	203 x 470 x 572 mm (8 x 18.5 x 22.5 in.)
15.6" CX7 with Remote I/O	6.03 kg (13.30 lbs)	203 x 470 x 572 mm (8 x 18.5 x 22.5 in.)
<b>15" 4:3 Projected Capacitive</b>		
15" 4:3 CX7 with Base, Integrated Power Supply, XL7 Customer Display	7.57 kg (16.70 lbs)	489 x 406 x 375 mm (19.25 x 16 x 14.75 in.)
15" 4:3 CX7 with Integrated I/O	5.44 kg (12.00 lbs)	203 x 470 x 572 mm (8 x 18.5 x 22.5 in.)
15" 4:3 CX7 with Remote I/O	6.17 kg (13.60 lbs)	203 x 470 x 572 mm (8 x 18.5 x 22.5 in.)
<b>18.5" Projected Capacitive</b>		
18.5" CX7 with Base, Integrated Power Supply, XL7 Customer Display	10.12 kg (22.30 lbs)	489 x 406 x 375 mm (19.25 x 16 x 14.75 in.)
18.5" CX7 with Integrated I/O	5.90 kg (13.00 lbs)	203 x 470 x 572 mm (8 x 18.5 x 22.5 in.)
18.5" CX7 with Remote I/O	6.58 kg (14.50 lbs)	203 x 470 x 572 mm (8 x 18.5 x 22.5 in.)

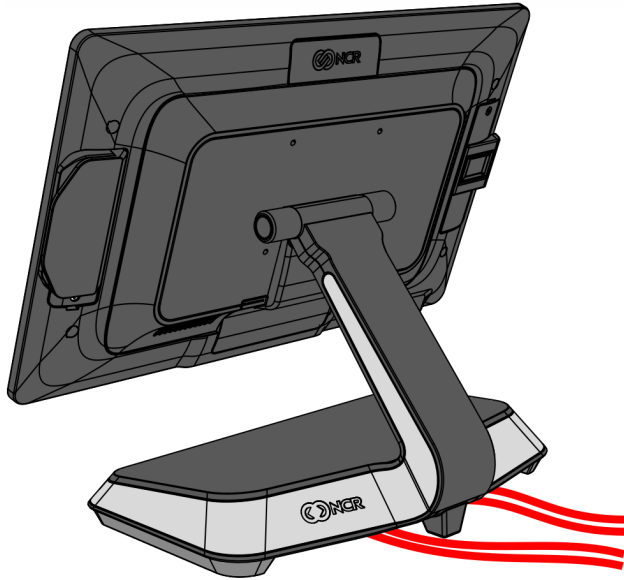


Component	Weight	Dimension (L x W x H)
<b>21.5" Projected Capacitive</b>		
21.5" CX7 with Integrated I/O	8.40 kg (18.52 lbs)	641 x 441 x 159 mm (25.2 x 17.4 x 6.3 in.)
21.5" CX7 with Remote I/O	9.20 kg (20.28 lbs)	641 x 441 x 159 mm (25.2 x 17.4 x 6.3 in.)

# Cable Routing

## Base

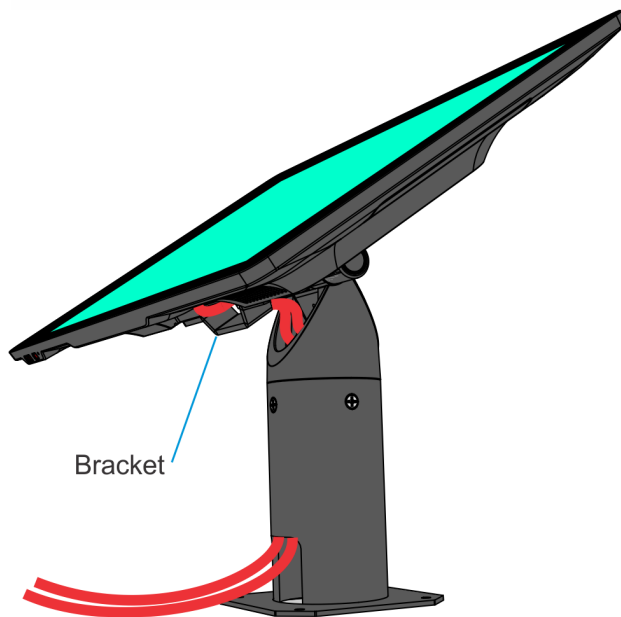
Route cables through the bottom of the Base.



CCP-77022

## Pole Mount

Route cables through the bracket and down through the Pole.



CCP-79090