

# Medical Display Series Solution

## Worldwide Medical Safety Standard Approval

All display meets the strictest medical, safety and EMC emissions standards including CE/FCC Class B Passed 18, EN 60601-1:2006



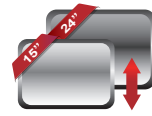
### Key Features

- » » 15"~24" Medical Grade Display
- » » Touch function support
- » » Low power consumption with LED back light panel



## ✚ Small to Large LCD Display Choices

The Onyx slim display offers many LCD sizes to fulfill various requirements. 15" (1024 x768), 17" (1280x1024), 18.5" (1366x768), 19" (1280x1024), 21.5" (1920x1080), 22" (1920x1080), 24" (1920x1080)



## ✚ Frabjous Touch experience

RT touchscreen solution can also be operated with gloved fingers and bare fingers alike and PCT touchscreen solution enable users enjoy multi-touch function.



## ✚ Green and Low power consumption

LED( light emitting diodes) backlighting technology, which offer the advantages over CCFL LCDs of reduced power consumption, better contrast, brightness and color range.



## ✚ Long term product life time support

ONYX provides stable and long term support to our customers. Customers could focus on business promotion and product development.



## ✚ Flexibility for customization request to medical equipment

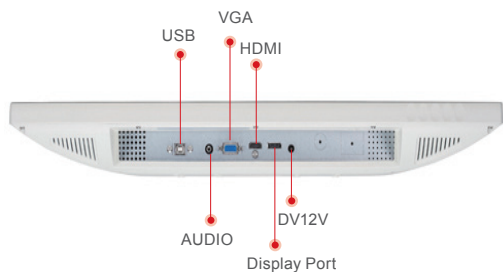
Still couldn't find the perfect match to your request? Don't worry about it. ONYX could base your demand to provide the best solution.



## Medical Display Series Solution

# ONYX-527

27" Slim Medical LCD Monitor



## Features

- 27" LCD Panel with LED Backlight
- Compact and Terse Design
- VGA x 1, HDMI x 1, DP x1
- Wide view angle 178°(H)/178°(V)
- True Flat Screen with PCT Touch
- Invisible OSD Design
- Low Power Consumption

## Specifications

### Display

Size	27"
Resolution	Full HD 1920 x 1080
Max. Colors	16.7M
Brightness (Typ.)	300 nits
Viewing Angle (CR=10)(Typ.)	178°(H)/178°(V)
Contrast Ratio (Typ.)	3000:1
Touch Screen	Projective capacitive touch screen (optional)

### System

OS Support	Windows®XP, Windows® 7, Windows® 10
DICOM Support	Optional

### I/O

Audio	Audio-in x 1
Serial Port	USB x 1 for touch controller
Signal	VGA x 1, HDMI x 1, DP x 1
Speaker	2W speaker x 2 on back side

### Mechanical and Environmental

Power Consumption	Full Loading :34.7Watts
Power Requirement	DC12V / 5A power input
Operating Temperature	5°C ~ 40°C(41°F ~ 104°F)
Storage Temperature	-10°C ~ 60°C(14°F ~ 140°F)
Storage Humidity	10%~90%@35°C, non-condensing
Gross Weight	10.4kg (14.11lb)
Net Weight	6.6kg (19lb)
Dimension	637.8 x 378.2 x 62.5 mm
Package Dimension (W x D x H)	730 x 300 x 560 mm

### Certifications

CE: EN 60601-1-2:2007(V3.0),  
EN 60601-1:2006/ A1:2013/A12:2014(V3.1)  
FCC: Part 18 Class B, Part 15 Class B  
IEC 60601-1: 2012 (V3.1)  
UL: ANSI/AAMI ES60601-1:2005 (V3.0)  
cUL: CAN/CSA-C22.2 No. 60601-1:2005 (V3.0)

## Ordering Information

- » ONYX-527DT-A1-1010  
27" LCD Monitor, 350 nits, VGAx1.HDMIx1.DPx1, DC 12V Adapter
- » ONYX-527DTT-A1-1010  
27" LCD Monitor, 350 nits, P-CAP Touch, VGAx1.HDMIx1.DPx1, DC 12V Adapter

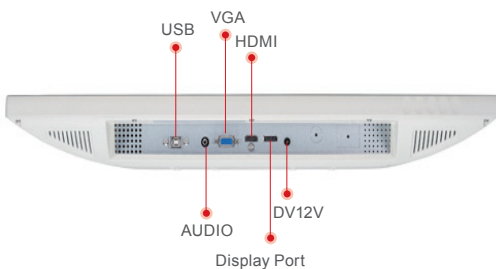
Medical Display Series Solution

# MEDDP-524

24" Slim Medical LCD Monitor



CE FC



## Features

- 24" LCD Panel with LED Backlight
- Compact and Terse Design
- VGA x 1, HDMI x 1, DP x1
- Wide view angle 178°(H)/178°(V)
- True Flat Screen with PCT Touch
- Invisible OSD Design
- Low Power Consumption

## Specifications

### Display

Size	24"
Resolution	Full HD 1920 x 1080
Max. Colors	16.7M
Brightness (Typ.)	300 nits
Viewing Angle (CR=10)(Typ.)	178°(H)/178°(V)
Contrast Ratio (Typ.)	5000:1
Touch Screen	Projective capacitive touch screen (optional)

### System

OS Support	Windows®XP, Windows® 7, Windows® 10
DICOM Support	Optional

### I/O

Audio	Audio-in x 1
Serial Port	USB x 1 for touch controller
Signal	VGA x 1, HDMI x 1, DP x 1
Speaker	2W speaker x 2 on back side

### Mechanical and Environmental

Power Consumption	Full Loading :34.7Watts
Power Requirement	DC12V / 5A power input
Operating Temperature	5°C ~ 40°C(41°F ~ 104°F)
Storage Temperature	-10°C ~ 60°C(14°F ~ 140°F)
Storage Humidity	10%~90%@35°C, non-condensing
Gross Weight	8.6kg (19lb)
Net Weight	6.4kg (14.11lb)
Dimension	576 x 344.3 x 62.1 mm
Package Dimension (W x D x H)	645 x 545 x 295 mm
Certifications	CE: EN 60601-1-2:2007(V3.0) , EN 60601-1:2006/ A1:2013/A12:2014(V3.1) FCC: Part 18 Class B, Part 15 Class B IEC 60601-1: 2012 (V3.1) CCC

## Ordering Information

- » MEDDP-524HNN-A1-1010  
24" LCD Monitor, 300 nits, VGAx1.HDMIx1.DPx1, DC 12V Adapter
- » MEDDP-524HPN-A1-1010  
24" LCD Monitor, 300 nits, P-CAP Touch, VGAx1.HDMIx1.DPx1, DC 12V Adapter

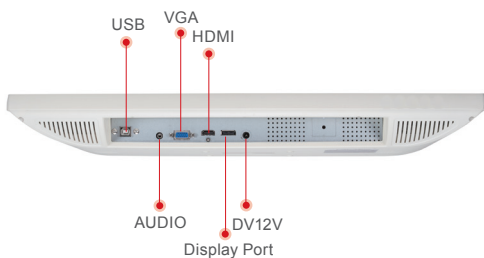
## Medical Display Series Solution

# MEDDP-522

22" Slim Medical LCD Monitor



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## Features

- 21.5" LCD Panel with LED Backlight
- Compact and Terse Design
- Wide View Angle 178°(H)/178°(V)
- VGA x 1, HDMI x 1, DP x1
- True Flat Screen with PCT Touch
- Invisible OSD Design
- Low Power Consumption

## Specifications

### Display

Size	21.5"
Resolution	Full HD 1920 x 1080
Max. Colors	16.7M
Brightness (Typ.)	250 nits
Viewing Angle (CR=10)(Typ.)	178°(H)/178°(V)
Contrast Ratio (Typ.)	5000:1
Touch Screen	Projective capacitive touch screen (optional)

### System

OS Support	Windows® XP, Windows® 7, Windows® 10
DICOM Support	Optional

### I/O

Audio	Audio-in x 1
Serial Port	USB x 1 for touch controller
Signal	VGA x 1, HDMI x 1, DP x 1
Speaker	2W speaker x 2 on back side

### Mechanical and Environmental

Power Consumption	Full Loading :28.2Watts
Power Requirement	DC12V / 5A power input
Operating Temperature	5°C ~ 40°C(41°F ~ 104°F)
Storage Temperature	-10°C ~ 60°C(14°F ~ 140°F)
Storage Humidity	10%~90%@35°C, non-condensing
Gross Weight	7.0kg (15.43lb)
Net Weight	5.7kg (12.57lb)
Dimension	527.3 x 348.5 x 55.1 mm
Package Dimension (W x D x H)	570 x 478 x 260 mm
Certifications	CE: EN 60601-1-2:2007(V3.0) , EN 60601-1:2006/ A1:2013/A12:2014(V3.1) FCC: Part 18 Class B, Part 15 Class B IEC 60601-1: 2012 (V3.1) CCC

## Ordering Information

- » MEDDP-522HNN-A1-1010  
21.5" LCD Monitor, 250 nits, VGAx1.HDMIx1.DPx1, DC 12V Adapter
- » MEDDP-522HPN-A1-1010  
21.5" LCD Monitor, 250 nits, P-CAP Touch, VGAx1.HDMIx1.DPx1, DC 12V Adapter

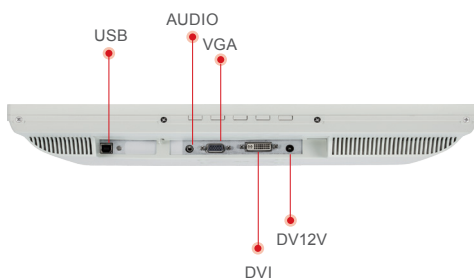
Medical Display Series Solution

# MEDDP-519

19" Slim Medical LCD Monitor



CE FC



## Features

- 19" LCD Panel with LED Backlight
- Compact and Terse Design
- VGA x 1, DVI x1
- 5 wire resistive touch screen
- Low Power Consumption

## Specifications

### Display

Size	19"
Resolution	1280 x 1024
Max. Colors	16.7M
Brightness (Typ.)	350 nits
Viewing Angle (CR=10)(Typ.)	170°(H)/160°(V)
Contrast Ratio (Typ.)	1000:1
Touch Screen	5 wire resistive touch screen (optional)

### System

OS Support	Windows®XP, Windows® 7, Windows® 10
DICOM Support	Optional

### I/O

Audio	Audio-in x 1
Serial Port	USB x 1 for touch controller
Signal	VGA x 1, DVI x 1
Speaker	1W speaker x 1 on back side

### Mechanical and Environmental

Power Consumption	Full Loading :35.5Watts
Power Requirement	DC12V / 5A power input
Operating Temperature	5°C ~ 40°C(41°F ~ 104°F)
Storage Temperature	-10°C ~ 60°C(14°F ~ 140°F)
Storage Humidity	10%~90%@35°C, non-condensing
Gross Weight	5.8kg (12.79lb)
Net Weight	4.9kg (10.8lb)
Dimension	421.1 x 350.5 x 48.1 mm
Package Dimension (W x D x H)	490 x 500 x 155 mm
Certifications	CE: EN 60601-1-2:2007(V3.0) , EN 60601-1:2006/ A1:2013/A12:2014(V3.1) FCC: Part 18 Class B, Part 15 Class B IEC 60601-1: 2012 (V3.1)

## Ordering Information

- » MEDDP-519ANN-A1-1010  
19" LCD Monitor, 350 nits,VGAx1,DVI x1, DC 12V Adapter
- » MEDDP-519ARN-A1-1010  
19" LCD Monitor, 350 nits, Resistive Touch, VGAx1,DVI x1,DC 12V Adapter

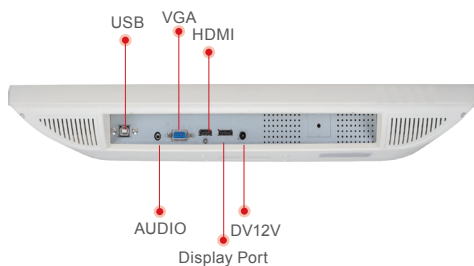
Medical Display Series Solution

# MEDDP-518

18.5" Slim Medical LCD Monitor



CE FC



## Features

- 18.5" LCD Panel with LED Backlight
- Compact and Terse Design
- VGA x 1, HDMI x 1, DP x 1
- True Flat Screen with PCT Touch
- Invisible OSD Design
- Low Power Consumption

## Specifications

### Display

Size	18.5"
Resolution	1366 x 768
Max. Colors	16.7M
Brightness (Typ.)	400 nits
Viewing Angle (CR=10)(Typ.)	170°(H)/160°(V)
Contrast Ratio (Typ.)	1000:1
Touch Screen	Projective capacitive touch screen (optional)

### System

OS Support	Windows® XP, Windows® 7, Windows® 10
DICOM Support	Optional

### I/O

Audio	Audio-in x 1
Serial Port	USB x 1 for touch controller
Signal	VGA x 1, HDMI x 1, DP x 1
Speaker	2W speaker x 2 on back side

### Mechanical and Environmental

Power Consumption	Full Loading :18Watts
Power Requirement	DC12V / 5A power input
Operating Temperature	5°C ~ 40°C(41°F ~ 104°F)
Storage Temperature	-10°C ~ 60°C(14°F ~ 140°F)
Storage Humidity	10%~90%@35°C, non-condensing
Gross Weight	5.5kg (12.13lb)
Net Weight	4.5kg (9.92lb)
Dimension	453.1 x 283.7 x 51.9 mm
Package Dimension (W x D x H)	500 x 450 x 260 mm
Certifications	CE: EN 60601-1-2:2007(V3.0), EN 60601-1:2006/ A1:2013/A12:2014(V3.1) FCC: Part 18 Class B, Part 15 Class B IEC 60601-1: 2012 (V3.1) CCC

## Ordering Information

- » MEDDP-518HNN-A1-1010  
18.5" LCD Monitor, 400 nits, VGAx1.HDMIx1.DPx1, DC 12V Adapter
- » MEDDP-518HPN-A1-1010  
18.5" LCD Monitor, 400 nits, P-CAP Touch, VGAx1.HDMIx1.DPx1, DC 12V Adapter

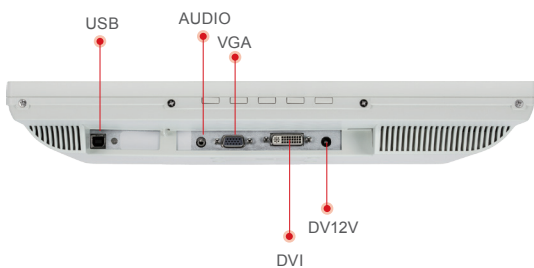
## Medical Display Series Solution

**MEDDP-517**

17" Slim Medical LCD Monitor



CE FC

**Features**

- 17" LCD Panel with LED Backlight
- Compact and Terse Design
- View Angle 170°(H)/160°(V)
- VGA x 1, DVI x1
- 5 wire resistive touch screen
- Low Power Consumption

**Specifications****Display**

Size	17"
Resolution	1280 x 1024
Max. Colors	16.2M
Brightness (Typ.)	350nits
Viewing Angle (CR=10)(Typ.)	170°(H)/160°(V)
Contrast Ratio (Typ.)	1000:1
Touch Screen	5 wire resistive touch screen (optional)

**System**

OS Support	Windows® XP, Windows® 7, Windows® 10
DICOM Support	Optional

**I/O**

Audio	Audio-in x 1
Serial Port	USB x 1 for touch controller
Signal	VGA x 1, DVI x 1
Speaker	1W speaker x 1 on back side

**Mechanical and Environmental**

Power Consumption	Full Loading :31Watts
Power Requirement	DC12V / 5A power input
Operating Temperature	5°C ~ 40°C(41°F ~ 104°F)
Storage Temperature	-10°C ~ 60°C(14°F ~ 140°F)
Storage Humidity	10%~90%@35°C, non-condensing
Gross Weight	4.9kg (10.8lb)
Net Weight	4.0kg (8.82lb)
Dimension	378 x 317.5 x 48.6 mm
Package Dimension (W x D x H)	435 x 450 x 150mm
Certifications	CE: EN 60601-1-2:2007(V3.0) , EN 60601-1:2006/A1:2013/A12:2014(V3.1) FCC: Part 18 Class B, Part 15 Class B IEC 60601-1: 2012 (V3.1)

**Ordering Information**

- » MEDDP-517ANN-A1-1010  
17" LCD Monitor, 350 nits,VGAx1,DVI x1,DC 12V Adapter
- » MEDDP-517ARN-A1-1010  
17" LCD Monitor, 350 nits, Resistive Touch,VGAx1,DVI x1,DC 12V Adapter



Medical Display Series Solution

# MEDDP-615

15.6" Slim Medical LCD Monitor



## Features

- 15.6" 1920 x 1080 Resolution Display
- Projected Capacitive Multi-touch
- VGA input and HDMI input
- Stylish and elegant design
- EC 60601 Medically Certified

## Specifications

### Display

Size	15.6"
Resolution	Full HD 1920 x 1080
Max. Colors	16.7M
Brightness (Typ.)	300 nits
Viewing Angle (CR=10)(Typ.)	85°(H)/85°(V)
Contrast Ratio (Typ.)	700:1
Touch Screen	Projective capacitive touch screen

### System

OS Support	Windows® XP, Windows® 7, Windows® 10
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### I/O

Audio	Audio-in x 1
Serial Port	USB x 1 for touch controller
Signal	VGA x 1, HDMI x 1
Speaker	1 W speaker x 2 on back side

### Mechanical and Environmental

Power Consumption	Full Loading :24.37Watts
Power Requirement	DC12V / 5A power input
Operating Temperature	5°C ~ 40°C(41°F ~ 104°F)
Storage Temperature	-10°C ~ 60°C(14°F ~ 140°F)
Storage Humidity	10%~90%@35°C, non-condensing
Gross Weight	2.8 kg (6.2lb)
Net Weight	6.5 kg (14.33lb)
Dimension	387.8 x 232.9 x 38.4 (mm)
Package Dimension (W x D x H)	TBD

### Certifications

- IEC 60601-1:2005 + A1:2015 (Ed. 3.1)
- IEC 60601-1-6:2010 + A1:2013 (Ed. 3.1)
- IEC 62366:2007 + A1:2014 (Ed. 1.1)
- ANSI/AAMI ES60601-1:2005/ A1:2012and C1:2009/(R)2012and A2:2010/(R)2012
- CAN/CSA-C22.2 No.60601-1:14
- EN60601-1-2
- EN55032/EN55024, FCC part 15B
- EN60950-1
- RoHS-2, REACH, WEEE compliant

## Ordering Information

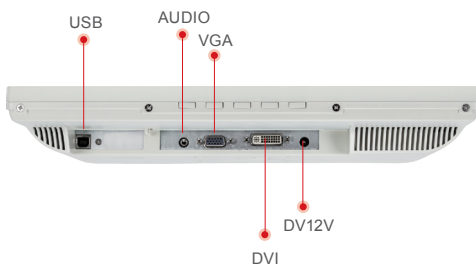
Medical Display Series Solution

# MEDDP-515

15" Slim Medical LCD Monitor



CE FC



## Features

- 15" LCD Panel with LED Backlight
- Compact and Terse Design
- Wide View Angle 160°(H)/150°(V)
- VGA x 1, DVI x1
- 5 wire resistive touch screen
- Low Power Consumption

## Specifications

### Display

Size	15"
Resolution	1024 x 768
Max. Colors	16.2M
Brightness (Typ.)	450 nits
Viewing Angle (CR=10)(Typ.)	160°(H)/150°(V)
Contrast Ratio (Typ.)	800:1
Touch Screen	5 wire resistive touch screen (optional)

### System

OS Support	Windows® XP, Windows® 7, Windows® 10
DICOM Support	Optional

### I/O

Audio	Audio-in x 1
Serial Port	USB x 1 for touch controller
Signal	VGA x 1, DVI x 1
Speaker	1W speaker x 1 on back side

### Mechanical and Environmental

Power Consumption	Full Loading :22.8Watts
Power Requirement	DC12V / 5A power input
Operating Temperature	5°C ~ 40°C(41°F ~ 104°F)
Storage Temperature	-10°C ~ 60°C(14°F ~ 140°F)
Storage Humidity	10%~90%@35°C, non-condensing
Gross Weight	4.0kg (8.82lb)
Net Weight	3.2kg (7.05lb)
Dimension	347 x 276 x 45.2 mm
Package Dimension (W x D x H)	410 x 420 x 140mm
Certifications	CE: EN 60601-1-2:2007(V3.0) , EN 60601-1:2006/A1:2013/A12:2014(V3.1) FCC: Part 18 Class B, Part 15 Class B IEC 60601-1: 2012 (V3.1) CCC

## Ordering Information

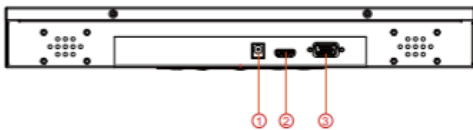
- » MEDDP-515ANN-A1-1010  
15" LCD Monitor, 350 nits, VGAX1,DVI x1, DC 12V Adapter
- » MEDDP-515ARN-A1-1010  
15" LCD Monitor, 350 nits, Resistive Touch, VGAX1,DVI x1, DC 12V Adapter

# MEDDP-415

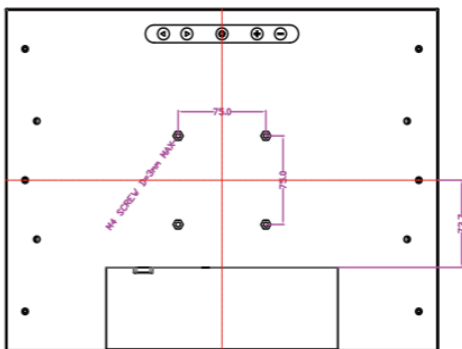
15" Slim Hospital type LCD Monitor



CE FC



- 1. DC Input
- 2. HDMI
- 3. VGA



UNIT:mm

## Features

- 15 " 1024 x 768 Resolution Display
- Resistive Touch, Protective Glass
- Stylish And Elegant Design
- Medical type adaptor
- IEC 60950-1 Certification
- Two Kinds Of I/O Could Be Optional

## Specifications

### Display

Size	15"
Resolution	1024 x 768
Max. Colors	16.2M
Brightness (Typ.)	250nits
Viewing Angle (CR=10)(Typ.)	80°(H)/70°(V)
Contrast Ratio (Typ.)	700:1
Touch Screen	Resistive Touch, Protective Glass

### System

OS Support	Windows® XP, Windows® 7, Windows® 10
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### I/O

Audio	Audio-in x 1
Serial Port	USB x 1 for touch controller
I/O optional 1	Standard: 1 x VGA (D-sub 15), 1 x HDMI (Type-A) Optional 1: x VGA (D-sub 15), 1 x HDMI (Type-A), 1 x DVI-D
I/O optional 2	Optional 2: x VGA (D-sub 15), 1 x DVI-D, 1 x S-Video, 1 x Composite
Speaker	1 W speaker x 2 on back side

### Mechanical and Environmental

Power Consumption	Full Loading :24.37Watts
Power Requirement	DC12V / 5A power input
Operating Temperature	5°C ~ 40°C(41°F ~ 104°F)
Storage Temperature	-10°C ~ 60°C(14°F ~ 140°F)
Storage Humidity	10%~90%@35°C, non-condensing
Gross Weight	TBD
Net Weight	TBD
Dimension	351.6 x 274.1 x 42.0 (mm)
Package Dimension (W x D x H)	TBD
Certifications	FCC Part 15B EN 55032 EMI EN 55024 EMS EN/IEC 60950-1

## Ordering Information

