



C-Series Medical (CM-Series) “Fanless Cool and Quiet” All-in-One LCD Desktop Touchcomputers for Healthcare Settings

In a stylish, compact design, the Elo TouchSystems CM-Series provides highly configurable, ruggedized touchcomputers, in two screen sizes: 19-inch and 22-inch, plus the choice of industry-leading TE touchscreen technologies. The CM-Series touchcomputer family has been developed to meet the needs of a wide variety of venues, including nursing stations, computer-aided therapy, electronic medical record keeping, paperless charting, patient self check-in/registration or point-of-information installations.

The CM-Series is compliant with multiple safety and electrical certifications including EN60601-1. In addition, the CM-Series is RoHS compliant, and includes an enclosure design that is resistant to dripping water with an IPX1 rating, protecting the unit from liquid drops and spills. As a result the CM-Series is an excellent fit for a wide variety of settings, including healthcare.

The CM-Series touchcomputers bring flexibility with your choice of configuration and connectivity, serviceability with easy access to key components, and a choice in processing power. In addition, an array of field-installable peripherals, spill-resistant sealing, and a selection of input/output port connection options make the CM-Series both versatile and powerful. It is designed with the future in mind, allowing easy field serviceability or upgrades of all of the main components.

The CM-Series is engineered for flexibility, with optional memory and storage configurations, as well as scalable computing power featuring two high-performance processor configurations:

- “Fanless Cool and Quiet” 19CM2 and 22CM2 with Intel Atom Dual-Core 1.66 GHz
- For a higher powered solution, consider the “Performance Ultra” 19CM3 and 22CM3 solutions with a cooling fan and Intel Core 2 Duo 3.0 GHz

Features

- UL 60601-1, cUL CSA C22.2 No 601.1-M90, TUV (EN60601-1, IEC60601-1), CB (IEC60601-1) certified and IPX1 drip-proof ratings
- 19” and 22” HD wide-screen display options
- A choice of high performance CPU options
- PCI Express expansion capabilities
- Optional second VGA output port for an additional display
- Pole mount or stable stand and tilt display
- Three touchscreen technologies available:
 - AccuTouch (zero-bezel resistive)
 - IntelliTouch Plus (multi-touch surface acoustic wave)
 - iTouch (zero-bezel surface acoustic wave)

CM-Series “Fanless Cool and Quiet” All-in-One LCD Desktop Touchcomputers

Computer Specifications	19CM2 Medical 19-inch model:	22CM2 Medical 22-inch model:
Enclosure color	White	
Processor	Intel 1.66GHz Atom Dual-Core D510, 1MB L2 Cache, 533MHz System Bus	
Chipset	Intel NM10 Express	
Video	Intel GMA 3150	
BIOS	AMI	
Memory (RAM)/800 MHz min	2GB DDR2 DIMM on 1 of 2 slots (expandable to 4GB maximum on 2 slots)	
Hard Disk Drive	160GB 2.5" SATA HDD	
USB Ports	6 x USB 2.0 (4 on I/O, 2 x USB front access). Additional internal ports available.	
Serial Ports	2 x USB-to-Serial RS-232 (standard)	
Ethernet Port	1 x LAN RJ45 (Gigabit)	
Audio Ports	1 x 3.5mm line in; 1 x 3.5mm line out	
Speakers	Two 2W internal speakers	
Operating System Options	No Operating System; Microsoft Windows 7 Professional (32-bit only)	
Languages	Windows 7—35 Language groups	
Power Supply	External 12VDC universal-type power supply brick; AC input voltage: 100-240VAC; Input frequency: 50-60Hz; maximum output power: 180W (max draw: 205W)	
Power Consumption (max.)	54W (without peripherals)	
Touchcomputer Dimensions (max. with stand, dimensions vary with tilt and options)	18.7" x 14.9" x 8.9" (475mm x 380mm x 226mm)	21.2" x 15.3" x 8.9" (540mm x 389mm x 226mm)
Shipping Box Dimensions	23.2" x 19.5" x 14.2" (590mm x 495mm x 360mm)	26" x 20.3" x 14.2" (660mm x 516mm x 360mm)
Weight (with stand)	20.1lbs (9.1kg)	22.2lbs (10.1kg)
Weight (without stand)	16.1lbs (7.3kg)	18.3lbs (8.3kg)
Shipping Weight	30.1lbs (13.7kg)	32.8lbs (14.9kg)
Temperature	Operating: 0°C to 35°C (32°F to 95°F); Storage: -30°C to 60°C (-22°F to 140°F)	
Humidity (non-condensing)	Operating: 20% to 80% Storage: 5% to 95%	
Backlight Lamp Life	Minimum 50,000 hours to half brightness	
Warranty	3 years	
MTBF	50,000 hours demonstrated	
Agency Certification	UL (UL 60601-1), cUL (CAN/CSA-C22.2 No. 601.1-M90), TUV (EN 60601-1), CB (IEC 60601-1), IPX1, FCC (Class A), CE (Class A), VCCI (Class A), C-Tick (Class A), NOM COC, AR, GOST-R; Elo Declarations: RoHS, WEEE, CE	
Other Features	Serviceable internal components; touchscreen sealed to bezel (IntelliTouch Plus); touchscreen sealed to sub-bezel (AccuTouch, iTouch); touchscreen sealed to LCD (all); IPX1 drip-proof rating	

Display Specifications

Display	18.5" diagonal active matrix TFT LCD	21.5" diagonal active matrix TFT LED LCD
Aspect Ratio	16:9 (wide)	
Useful Screen Area (H x V)	16.1" x 9.1" (409.8mm x 230.4mm)	18.8" x 10.6" (476.64mm x 268.11mm)
Native (optimal) Resolution	1366 x 768 @ 60Hz	1920 x 1080 @ 60Hz
Colors	16.7 million	
Brightness (typical)	LCD panel: 250 nits; AccuTouch: 200 nits; IntelliTouch Plus: 225 nits; iTouch: 225 nits	
Response Time (typical)	Total: 5 msec	
Viewing Angle (typical)	Horizontal: ±85° or 170° total; Vertical: ±80° or 160° total	
Contrast Ratio (typical)	1000:1	
Available Touch Technologies	AccuTouch (zero-bezel resistive); IntelliTouch Plus (multi-touch surface acoustic wave); iTouch (zero-bezel surface acoustic wave)	

MEDICAL AND HEALTHCARE APPLICATION DISCLAIMER: It is the sole responsibility of any person intending to commercialize, market or use any of TE Connectivity Ltd. or its family of companies ("TE") products for medical or healthcare applications to ensure that such product is adequate and appropriate for the person's intended use and complies with all applicable laws, regulations, codes and standards including but not limited to the European Union Medical Device Directive, United States Federal Food, Drug, and Cosmetic Act, regulations of the United States Food and Drug Administration (FDA), and for obtaining and maintaining any required regulatory approvals including but not limited to any required market clearances. TE has not sought nor received any rulings from the FDA or any other federal, state, or local government agency or notified body as to the safety, effectiveness or appropriateness of its product for such applications. Persons intending to evaluate or use TE's product for medical or healthcare purposes must rely on their own medical and legal judgment without any representation on the part of TE.

To find out more about our extensive range of Elo touch solutions, go to www.elotouch.com, or call the office nearest you.

North America
800-ELO-TOUCH

Tel 1-650-361-4800
customerservice@elotouch.com

Europe
elosales@elotouch.com

Asia-Pacific
www.tps.co.jp

Latin America
www.elotouch.com.ar



Tyco Electronics Corporation and its Affiliates in the TE Touch Solutions business unit of the TE Connectivity Ltd. family of companies (collectively "TE") reserves the right to change or update, without notice, any information contained herein; to change, without notice, the design, construction, materials, processing or specifications of any products; and to discontinue or limit production or distribution of any products.

AccuTouch, Elo (logo), Elo TouchSystems, IntelliTouch, iTouch, TE Connectivity, TE connectivity (logo) and TE (logo) are trademarks of the TE Connectivity Ltd. family of companies. Windows is a trademark of Microsoft Corporation.

Copyright 2011 Tyco Electronics Corporation, a TE Connectivity Ltd. Company. All rights reserved. 08/11





C-Series Medical (CM-Series) “Performance Ultra” All-in-One LCD Desktop Touchcomputers for Healthcare Settings

In a stylish, compact design, the Elo TouchSystems CM-Series provides highly configurable, ruggedized touchcomputers, in two screen sizes: 19-inch and 22-inch, plus the choice of industry-leading TE touchscreen technologies. The CM-Series touchcomputer family has been developed to meet the needs of a wide variety of venues, including nursing stations, computer-aided therapy, electronic medical record keeping, paperless charting, patient self check-in/registration or point-of-information installations.

The CM-Series is compliant with multiple safety and electrical certifications including EN60601-1 for. In addition, the CM-Series is RoHS compliant, and includes an enclosure design that is resistant to dripping water with an IPX1 rating, protecting the unit from liquid drops and spills. As a result the CM-Series is an excellent fit for a wide variety of settings, including healthcare.

The CM-Series touchcomputers bring flexibility with your choice of configuration and connectivity, serviceability with easy access to key components, and a choice in processing power. In addition, an array of field-installable peripherals, spill-resistant sealing, and a selection of input/output port connection options make the CM-Series both versatile and powerful. It is designed with the future in mind, allowing easy field serviceability or upgrades of all of the main components.

The CM-Series is engineered for flexibility, with optional memory and storage configurations, as well as scalable computing power featuring two high-performance processor configurations:

- “Performance Ultra” 19CM3 and 22CM3 Fan-cooled Intel Core 2 Duo 3.0 GHz
- For a quiet, lower power option there is the “Fanless Cool and Quiet” 19CM2 and 22CM2 Intel Atom Dual-Core 1.66 GHz

Features

- UL 60601-1, cUL CSA C22.2 No 601.1-M90, TUV (EN60601-1, IEC60601-1), CB (IEC60601-1) certified and IPX1 drip-proof ratings
- 19” and 22” HD wide-screen display options
- A choice of high performance CPU options
- PCI Express expansion capabilities
- Optional second VGA output port for an additional display
- Pole mount or stable stand and tilt display
- Three touchscreen technologies available:
 - AccuTouch (zero-bezel resistive)
 - IntelliTouch Plus (multi-touch surface acoustic wave)
 - iTouch (zero-bezel surface acoustic wave)

CM-Series “Performance Ultra” All-in-One LCD Desktop Touchcomputers

Computer Specifications	19CM3 19-inch model:	22CM3 22-inch model:
Enclosure color	White	
Processor	Intel 3.0GHz Core 2 Duo E8400, 6MB L2 Cache, 1333MHz System Bus	
Chipset	Intel G41 Express	
Video	Intel GMA X4500	
BIOS	AMI	
Memory (RAM)/800 MHz min	2GB DDR2 DIMM on 1 of 1 slots (replaceable with 4GB maximum on 1 slot)	
Hard Disk Drive	160GB 2.5" SATA HDD	
USB Ports	6 x USB 2.0 (4 on I/O, 2 x USB front access). Additional internal ports available.	
Serial Ports	2 x USB-to-Serial RS-232 (standard)	
Ethernet Port	1 x LAN RJ45 (Gigabit)	
Audio Ports	1 x 3.5mm line in; 1 x 3.5mm line out	
Speakers	Two 2W internal speakers	
Operating System Options	No Operating System; Microsoft Windows 7 Professional (32-bit only)	
Languages	Windows 7—35 Language groups	
Power Supply	External 12VDC universal-type power supply brick; AC input voltage: 100-240VAC; Input frequency: 50-60Hz; maximum output power: 180W (max draw: 205W)	
Power Consumption (max.)	54W (without peripherals)	
Touchcomputer Dimensions (max. with stand, dimensions vary with tilt and options)	18.7" x 14.9" x 8.9" (475mm x 380mm x 226mm)	21.2" x 15.3" x 8.9" (540mm x 389mm x 226mm)
Shipping Box Dimensions	23.2" x 19.5" x 14.2" (590mm x 495mm x 360mm)	26" x 20.3" x 14.2" (660mm x 516mm x 360mm)
Weight (with stand)	20.6lbs (9.4kg)	22.7lbs (10.3kg)
Weight (without stand)	16.7lbs (7.6kg)	18.7lbs (8.5kg)
Shipping Weight	30.9lbs (14.0kg)	33.0lbs (15.0kg)
Temperature	Operating: 0°C to 35°C (32°F to 95°F); Storage: -30°C to 60°C (-22°F to 140°F)	
Humidity (non-condensing)	Operating: 20% to 80% Storage: 5% to 95%	
Backlight Lamp Life	Minimum 50,000 hours to half brightness	
Warranty	3 years	
MTBF	50,000 hours demonstrated	
Agency Certification	UL (UL 60601-1), cUL (CAN/CSA-C22.2 No. 601.1-M90), TUV (EN 60601-1), CB (IEC 60601-1), IPX1, FCC (Class A), CE (Class A), VCCI (Class A), C-Tick (Class A), NOM COC, AR, GOST-R; Elo Declarations: RoHS, WEEE, CE	
Other Features	Serviceable internal components; touchscreen sealed to bezel (IntelliTouch Plus); touchscreen sealed to sub-bezel (AccuTouch, iTouch); touchscreen sealed to LCD (all); IPX1 drip-proof rating	

Display Specifications

Display	18.5" diagonal active matrix TFT LCD	21.5" diagonal active matrix TFT LED LCD
Aspect Ratio	16:9 (wide)	
Useful Screen Area (H x V)	16.1" x 9.1" (409.8mm x 230.4mm)	18.8" x 10.6" (476.64mm x 268.11mm)
Native (optimal) Resolution	1366 x 768 @ 60Hz	1920 x 1080 @ 60Hz
Colors	16.7 million	
Brightness (typical)	LCD panel: 250 nits; AccuTouch: 200 nits; IntelliTouch Plus: 225 nits; iTouch: 225 nits	
Response Time (typical)	Total: 5 msec	
Viewing Angle (typical)	Horizontal: ±85° or 170° total; Vertical: ±80° or 160° total	
Contrast Ratio (typical)	1000:1	
Available Touch Technologies	AccuTouch (zero-bezel resistive); IntelliTouch Plus (multi-touch surface acoustic wave); iTouch (zero-bezel surface acoustic wave)	

MEDICAL AND HEALTHCARE APPLICATION DISCLAIMER: It is the sole responsibility of any person intending to commercialize, market or use any of TE Connectivity Ltd. or its family of companies ("TE") products for medical or healthcare applications to ensure that such product is adequate and appropriate for the person's intended use and complies with all applicable laws, regulations, codes and standards including but not limited to the European Union Medical Device Directive, United States Federal Food, Drug, and Cosmetic Act, regulations of the United States Food and Drug Administration (FDA), and for obtaining and maintaining any required regulatory approvals including but not limited to any required market clearances. TE has not sought nor received any rulings from the FDA or any other federal, state, or local government agency or notified body as to the safety, effectiveness or appropriateness of its product for such applications. Persons intending to evaluate or use TE's product for medical or healthcare purposes must rely on their own medical and legal judgment without any representation on the part of TE.

To find out more about our extensive range of Elo touch solutions, go to www.elotouch.com, or call the office nearest you.

North America
800-ELO-TOUCH

Tel 1-650-361-4800
customerservice@elotouch.com

Europe
elosales@elotouch.com

Asia-Pacific
www.tps.co.jp

Latin America
www.elotouch.com.ar



Tyco Electronics Corporation and its Affiliates in the TE Touch Solutions business unit of the TE Connectivity Ltd. family of companies (collectively "TE") reserves the right to change or update, without notice, any information contained herein; to change, without notice, the design, construction, materials, processing or specifications of any products; and to discontinue or limit production or distribution of any products.

AccuTouch, Elo (logo), Elo TouchSystems, IntelliTouch, iTouch, TE Connectivity, TE connectivity (logo) and TE (logo) are trademarks of the TE Connectivity Ltd. family of companies. Windows is a trademark of Microsoft Corporation.

Copyright 2011 Tyco Electronics Corporation, a TE Connectivity Ltd. Company. All rights reserved. 08/11

