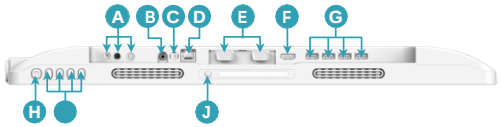
I/O Ports

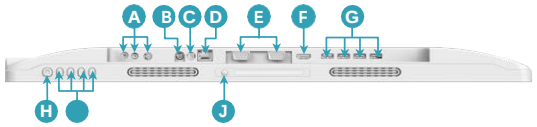
The Medical-Cart Computer has a comprehensive set of I/O ports. The following ports are located along the lower rear edge of the unit.

Bottom

582T:



584T:



A DC-out	G USB ports
B Audio jack	H Power
C DC-in	I Function buttons
D Ethernet port (RJ45)	J LED reading light
E COM ports	K Battery packs (optional)
F HDMI (1.4a)	

Cleaning the Screen

- A screen cleaning solution that is alcohol-free and non-abrasive can be used to clean the touch screen.
- Cleaning with a micro-fiber cloth is recommended.
- Please spread the solution onto the cloth and then clean the touch screen.

Cleaning the Anti-microbial Enclosure

- Use a soft/non-abrasive cloth moistened with water to clean the enclosure.
- If using a cleaner, an alcohol-free and oxide-free cleaning liquid is recommended.
- To prevent scratching the anti-microbial coating, please wipe gently.

DT Research
www.dtresearch.com
DT Research, Inc.
2000 Concourse Drive, San Jose, CA 95131

BOG01052120 DT58X ENG

DT Research

Medical-Grade Integrated LCD System

BASIC OPERATION GUIDE

582T/ 584T

INTRODUCTION

Thank you for acquiring DT Research's Medical-Cart Computer. With a 22-inch or 24-inch display and powered by the Intel® processor, the Medical-Cart Computer offers optimal combinations of performance and power savings. With fully-integrated point-of-care modules within an elegant, space-saving design, the Medical-Cart Computer is the optimum solution to enhance workflow and service.

Please take a few moments to review the contents of this document to ensure that the setup and startup proceed smoothly. The Medical-Cart Computer is ready for use, out of the box, in its default configuration when powered by the power source provided. The following documentation offers guidance on the hardware elements and features of the computer. Please refer to your device provider for information pertaining to the software operating system or software applications.

PACKAGE CONTENTS

- One 582T or 584T
- Three DR202 Li-ion batteries (optional)
- AC-DC power adapter with power cord
- Basic operation guide

CLASSIFIED C UL US
3VN8
E354779

MEDICAL – GENERAL MEDICAL EQUIPMENT
AS TO ELECTRICAL SHOCK, FIRE AND MECHANICAL HAZARDS ONLY IN ACCORDANCE WITH ANSI/AAMI ES60601-1 (2005) + AMD (2012) & "CAN/CSA-C22.2 No. 6060-1 (2008) + (2014)

PRECAUTIONS

- Always exercise care when operating and handling the Medical-Cart Computer.
- Never disassemble any portion of the enclosure, as this will void any product warranty on the Medical-Cart Computer.
- Do not use any AC/DC adapter other than the one provided with the device or a replacement acquired from the manufacturer.
- In the unlikely event that smoke, abnormal noise or strange odor is present, immediately power down the Medical-Cart Computer and disconnect all power sources. Please report the problem to your device provider immediately.

BASIC FEATURES

The Medical-Cart Computer integrates a bright 22" or 24" display with a high performance system, USB ports, and integrated options such as capacitive touch, hot-swappable batteries, and smart card reader for a comprehensive point-of-healthcare solution.

Powering ON and OFF

If your Medical-Cart Computer comes with the battery packs, please open the battery slot caps and then put in the battery packs one by one. If not, please use the AC-DC adapter with the Medical-Cart Computer for the power supply. To activate the Medical-Cart Computer, push and quickly release the Power Button and the display will come on in a few seconds. To put in Standby mode, push and quickly release the Power Button. To turn off for extended storage, power off the device safely using any software function that "shuts down computer" provided in the software operating system.

NOTE:
The battery packs (optional) shipped with your device may be low in power—please use the AC-DC adapter with the Medical-Cart Computer when setting up the device for the first time to fully charge the battery packs. You may charge the battery packs with them attached to the Medical-Cart Computer, or with the optional battery charger kit.

NOTE:
When the battery pack(s) is (are) charging, the blue-colored Battery LED should blink slowly. If plugging in the AC-DC adapter does not trigger this blinking activity and the LED stays dark, the battery pack(s) may have been drained substantially. Try unplugging/ replugging the AC-DC adapter to the Medical-Cart Computer a few times to activate the charging process.

NOTE:
To conserve power, use (push and quick release) the Power Button to put the device in "Standby" mode while not in use. Pushing briefly on the same button will wake up the system within seconds.

NOTE:
Avoid using the Power Button ("hold 4+ seconds" feature) to turn off the device—this form of hardware shutdown is intended to be a means of recovery from device lockups, and not as normal operation.

NOTE:
If connecting an external monitor to the Medical-Cart Computer (via HDMI port), you must power the Medical-Cart Computer with the provided AC-DC power adapter.

Power/Battery LED Status

- Blue indicates the battery is 25% to 100% charged
- Blinking blue indicates the battery is charging
- Orange indicates that the battery is between 11% to 25%
- Blinking Orange indicates that the battery is below 10%

Wireless Networking

Wireless LAN

The Medical-Cart Computer is often delivered with an embedded (user-inaccessible) 802.11ax WLAN adapter equipped with a hidden custom antenna.

- Through the support of typical WLAN adapters, the Medical-Grade Integrated LCD System should be able to detect all 802.11 access points in the vicinity for you to select the access point of your choice for connection.
- The SSID and WEP/WPA/WPA2 (if enabled) parameters on the Medical-Grade Integrated LCD System and the access points have to match. The SSID is case-sensitive and it is recommended that you enable WEP/WPA/WPA2 encryption (or advanced alternatives) for secure access.
- When WEP/WPA/WPA2 is enabled, you may need to consult your network administrator or your networking equipment literature to properly configure associated settings such as Authentication mode, etc.
- Refer to the access point operating manuals for setting up the 802.11 access points.

Bluetooth

The Medical-Cart Computer features a built-in Bluetooth adapter that operates on the Microsoft Windows Bluetooth protocol. The Bluetooth configuration application is invoked from the System Tray or from the Control Panel. Follow the instructions and options provided within the application to configure and invoke Bluetooth connectivity with the corresponding peripherals.

NOTE:
Bluetooth devices or accessories that are not compatible with the Microsoft Windows Bluetooth protocol may not work with the Medical-Grade Integrated LCD System.

Federal Communication Commission Interference

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

This Class [B] digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe [B] est conforme à la norme NMB-003 du Canada.

RF Exposure Compliance

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

Supplier's Declaration of Conformity

47 CFR § 2.1077 Compliance Information

Unique Identifier Trade Name: DT Research

Model No.: 582T/584T
Responsible Party – U.S. Contact Information
DT Research, Inc.
2000 Concourse Drive, San Jose, CA 95131
http://www.dtresearch.com
FCC Compliance Statement
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Canada

- English:

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

- French:

Le present appareilest conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:(1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

To maintain compliance with RSS's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.
Pour rester conforme aux directives d'exposition aux radiofréquences de RSS, cet équipement doit être installé et utilisé à une distance minimale de 20 cm du radiateur de votre corps : Utilisez uniquement l'antenne fournie.

1. the device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
2. for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall be such that the equipment still complies with the e.i.r.p. limit;
3. for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits as appropriate; and
4. where applicable, antenna type(s), antenna models(s), and worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in section 6.2.2.3 shall be clearly indicated.
1. le dispositif utilisé dans la bande 5150-5250 MHz est réservé à une utilisation en intérieur afin de réduire le risque de brouillage préjudiciable aux systèmes mobiles par satellite dans le même canal;
2. pour les dispositifs à antenne (s) détachable (s), le gain d'antenne maximal autorisé pour les dispositifs dans les bandes 5250-5350 MHz et 5470-5725 MHz doit être tel que l'équipement soit toujours conforme à la norme e.i.r.p. limite;
3. pour les dispositifs à antenne (s) détachable (s), le gain d'antenne maximal autorisé pour les dispositifs de la bande 5725-5850 MHz doit être tel que l'équipement soit toujours conforme à la norme e.i.r.p. les limites, le cas échéant; et
4. le cas échéant, le (s) type (s) d'antenne, le (s) modèle (s) d'antenne et l'angle (s) d'inclinaison le plus défavorable nécessaire (s) pour rester conforme (e) au p.e. L'exigence relative au masque d'élévation énoncée à la section 6.2.2.3 doit être clairement indiquée.

RF Exposure Information(RED)

To be protected against all verified adverse effects, the separation distance of at least 0.2m must be maintained between the antenna of the radio having max. 4.1dBi antenna and all persons.

The band 5150-5350 MHz for this device are restricted to indoor use only within all European Union countries.

Hereby, [DT Research, Inc.] declares that the radio equipment type [582T/584T] is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: http://www.dtresearch.com.

CE

Maximum EIRP for EU

Bluetooth:2402MHz-2480MHz	14.4dBm
Bluetooth LE:2402MHz-2480MHz	2.42dBm
Wifi: 2412MHz-2472MHz/2422MHz-2462MHz	20dBm
Wifi: 5150MHz-5725MHz	22.9dBm
Wifi: 5725MHz-5875MHz	13.9dBm