

# DreamBook Tablet T10



Pioneer Computers Australia



# Agenda

- Tablet PC introduction
- Features of a tablet PC
- T10 Product Spec



# Introduction-What is MCA

Today, nurses and physicians need better access to patient information at the point of decision in order to provide quality care more efficiently; however, the limitation on traditional workflow cannot meet this requirement.

Therefore, a new usage model that is customized for healthcare-specific use at the point of care, supporting the workflow of nurses and clinicians is created and it is called MCA- Mobile Clinical Assistant



# Users & Applications

- A Medical Tablet PC is optimized to provide access to the EMR system anytime, anywhere in the care flow
- 3 major guidelines in creating a Medical Tablet PC
  - Infection control  
Support best practices for controlling infection cross-contamination among patients
  - Reduce clinician workload  
Not add further burden to an already overburdened workforce
  - Easy to learn and use  
Designed for simplicity and rapid time to competence

# Usage Model

- Clinical documentation  
Patient progress, medication administration, order entry and completion
- Patient 5-Rights verification  
Right caregiver, right patient, right treatment, right time, right rate
- Clinical collaboration  
Clinician to clinician real-time sharing of patient data to resolve questions or issues without delay
- Patient image capture  
Capturing and storing in the EMR, images of a patient's condition, and simplifies the work of clinical documentation

# Sealed Design



Easy to clean, easy to disinfect!!! The LCD screen is finished with a splash-proof seal, and the entire unit carries a IP rating of IP54

# Rugged Design

*Up to 70% mobile PC in the hospital have been dropped. This makes durability an important feature!!*

- Hardened case can survive up to 4feet high drop (Mil Std. 810F)
- Protects critical parts/data
- Reduces maintenance downtime

# Carry Handle

Supports "Grip & Go" feature.

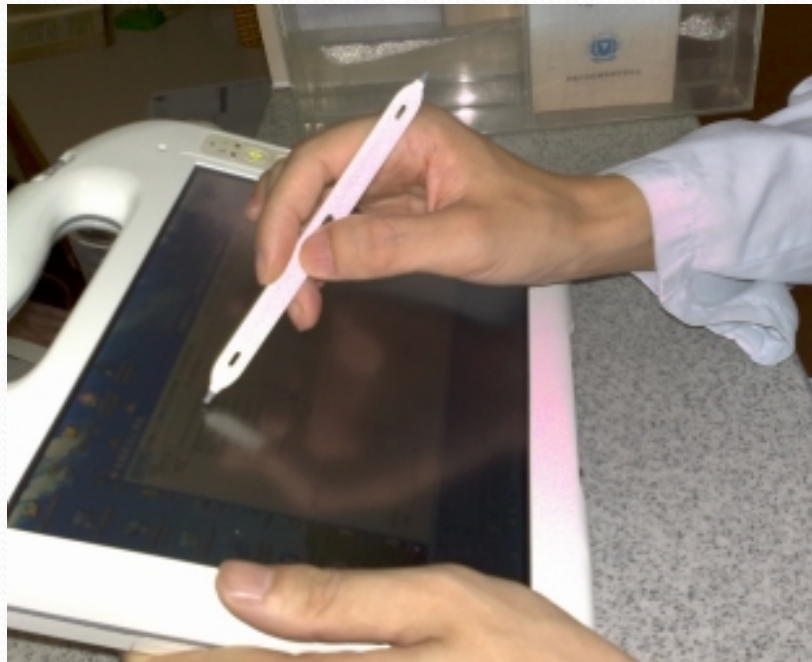
Ergonomic handle allows users to effortlessly carry the machine all day.



# Natural Input

Supports hand writing recognition for documentation of patient records.

Supports sound recording for dictation of patient notes.



# Built-in Digital Camera

Digital camera can be used for multiple purposes, including the wound documentation.



# Barcode Scanner & RFID Reader

Used for patient ID, order entry and administration of medication. It can also eliminate double documentation, and increase the accuracy of the patient's information while decreasing the potential for errors.



# Security

- TPM 1.2
  - Encrypt the data which will be stored on the local HDD.
- Optional finger print scanner
  - Natural and easy for user authentication.
- Docking station lock mechanism
  - To release the unit from the docking station, either scan the user's badge or use the fingerprint reader.

# Integrated Wireless Connectivity

Wireless connections (including Wi-Fi and Bluetooth) allow seamless access to patient data any time and anywhere.



# Rugged Standard

- Drop Resistant
  - 26 driops of 36 inches to plywood over concrete with unit on 2 units to pass

## Water Sealing

Rain chamber to operate at no less 40PSIG and no less than 4 in/hr. 10 min per axis, 6 axes, Unit is non-operating.

# Docking Station

Desktop docking station



# T10 Product Spec

## Specifications

Processor	Intel® ULV processor U2100 1.06GHz (533MHz FSB) 1M Standard (on-die) L2 Cache Intel® ULV processor Celeron 423 1.06GHz
Chipset	North Bridge: 945GME      South Bridge: ICH7-M
System Memory	One 200-pins DDRII 533/667 SO-DIMM Socket for 512MB/1GB/2GB RAM Module (Max. 2GB)
Mass Storage	1.8" 4200RPM Hard Disk Drive 60GB/80GB/120GB SSD 32GB is available
Audio	Build in 1W speaker Build in Stereo Microphone Array
Display	10.4" XGA (1024x768) TFT LCD with touch screen panel Luminance: 240 nits LED Backlight Automatically orient to Landscape/ Portrait mode (0° - 90° - 180° - 270°) Automatically adjust the brightness of LCD as the changing background illuminance
Touch Screen	4 wire resistive type Anti-glare glass Palm rejection implemented Manually enable/ disable, or automatically disable the touch screen
VGA Controller	Integrated Intel® 945GME graphics, Intel Dynamic Video Memory (DVMT) from main memory Shared system memory up to 224MB Max. (Intel® Driver Dynamic Changed)
I/O Ports	DC-in jack Two battery slots Docking connector(contact pin type)
I/O Devices	One 2 mega-pixel webcam with auto focus feature One Barcode scanner supports 1D/ 2D barcode One RFID reader supports ISO 14443 & ISO 15693 One Fingerprint reader

# T10 Product Spec

Wireless/Communications	Mini PCI Express card Wireless LAN 802.11a/b/g/n Support CCX function (Roaming) Bluetooth v2.1 and support Enhanced Data Rate (EDR) Optional 3G module for WWAN
AC/DC Adapter	I.T.E. AC power input:100V-240V,50Hz-60Hz output:65W, 20V Medical AC power input:100V-240V,47Hz-63Hz output: 78W, 18V
Battery	2 compartments for installation of 2 battery packs Per battery pack: 3 lithium-ion high capacity cells (3S1P), 2400mAh, 2.25 hrs. Hot-swappable function
Dimensions & Weight	270 x 256 x 35.3 mm 1.30 kg(2.86lb) (w/one 3cells battery & 3G module installed)
Operating System	Windows Vista® Business Edition / Windows® XP Tablet PC Edition

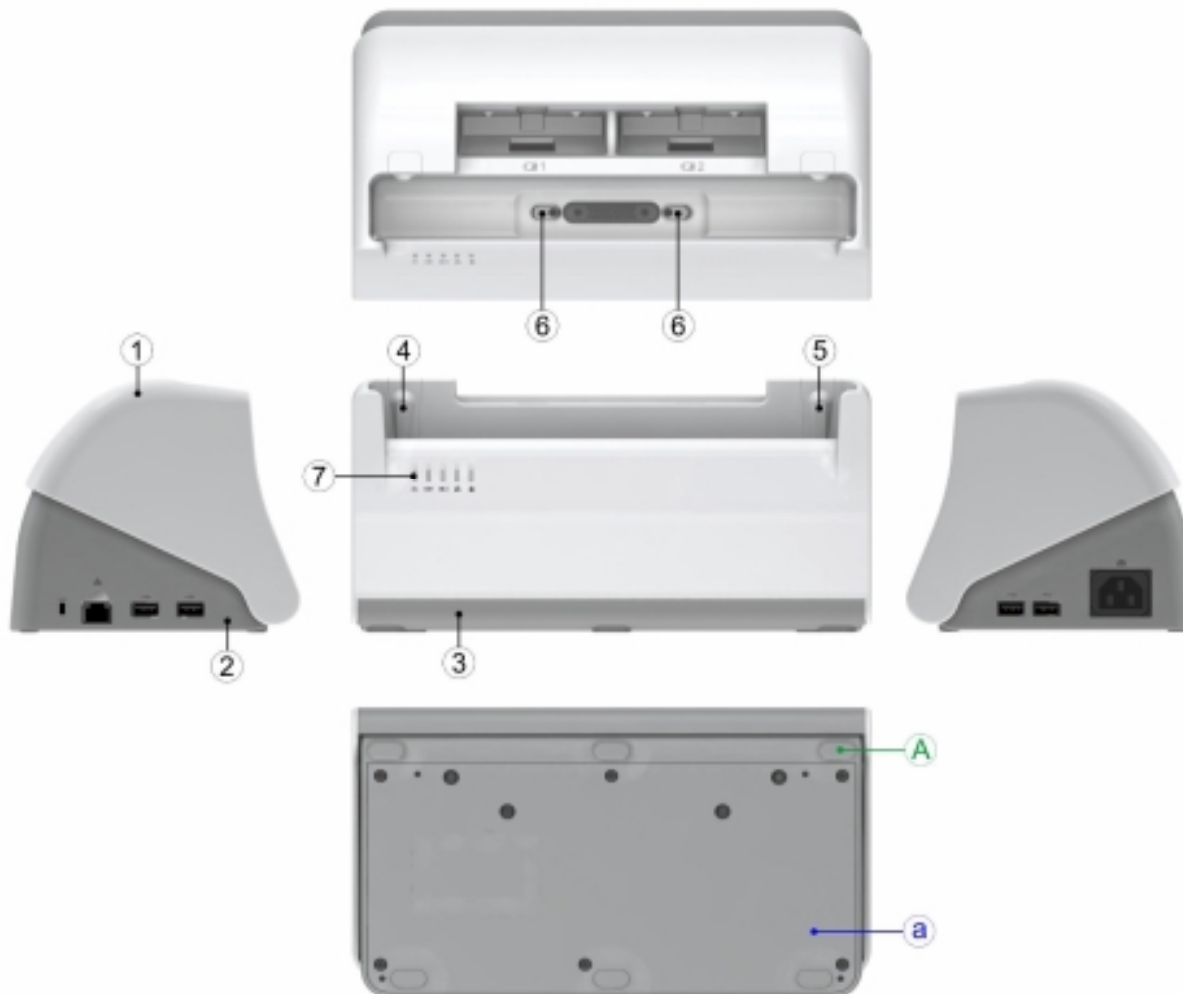
## **Military Standard Toughness**

Humidity & Temperature	Operating Environment Temperature: 5°C~35°C Storage Environment Temperature: -20°C~60°C Operating Humidity: 10% ~ 90%
Drop Sustainable	4 feet height of free drop
Ingress Protection	IP 54 The device enclosure can resist alcohol (80% or less), bleach, iodine and common hospital disinfectants.

# T10 Overview



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NO.	PARTS NAME	QTY
1	UPPER COVER	1
2	BASE HOUSING	1
3	FRONT BUMP COVER	1
4	SHIM LEFT BACK	1
5	SHIM RIGHT BACK	1
6	LOCKING SLIDE	2
7	LED LENS	1

A	FOOT RUBBER	6
a	BASE COVER	1