



Computer Hardware Design

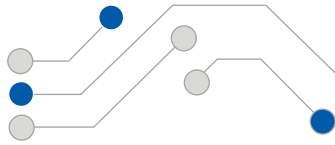


CHD 7800

All-in-one POS terminal

- ✓ 15" LCD display with P-CAP Touch Panel
- ✓ Choice of Intel® Celeron® G3965U, Intel® Core i3-7100U or i5-7300U
- ✓ Wireless: Wi-Fi/BT built in, 4G/LTE as option
- ✓ Designed to accommodate CHD TH508 printer
- ✓ Variable display height and angle
- ✓ Robust Aluminum Alloy (die-casting) housing and stand
- ✓ Easy system maintenance





CHD 78x0

All-in-one POS Terminal



Computer Hardware Design

Specification	CHD 7800	CHD 7830	CHD 7850
Motherboard			
Processor	Intel® Celeron® G3965U	Intel® Core™ i3 7100U	Intel® Core™ i5 7300U
System Memory	4GB, 1 x DDR4 (expandable up to 32GB) 2133MHz (1.2V)	8GB, 2 x DDR4 (expandable up to 32GB) 2133MHz (1.2V)	8GB, 2 x DDR4 (expandable up to 32GB) 2133MHz (1.2V)
Free memory slot	Yes	2 x 4GB	
LCD Touch Panel			
LCD Size	15" LED LCD		
Brightness	300 cd/m ²		
Resolution	1024 x 768		
Touch Screen	Projected Capacitive with 10 touch points		
Tilt Adjustment	90°		
Storage Device			
Hard Drive	128 GB SSD, expandable	128 GB SSD, expandable	128 GB SSD, expandable
Wi-Fi/Bluetooth			
Wi-Fi 802.11 a/b/g/n/ac, Bluetooth 4.0			
Expansion			
Mini PCIe Socket half size	1 PCIe/USB2.0 interface, used for Wi-Fi/BT		
Mini PCIe Socket full size	1 PCIe/USB2.0/SIM interface, used for LTE		
M.2 interface	1 x M.2 B-key 2242, 2280 SATA		
External I/O Ports			
USB Port	6 x USB (4 x USB 3.0, 2 x USB 2.0) + 2 x USB 2.0 quick access ports		
Serial Port	2 x COM ports DB9 connectors (2 ports with power: 5V or 12V, enabled by BIOS)		
LAN Port	1 x RJ-45 (10/100/1000Mbps Gigabit LAN)		
External Display	1 x HDMI		
RJ-45 rear	1 x RJ-45 connector on rear for second display		
Cash Drawer Port	1 x RJ-11 (12V/24V)		
DC Jack	1 x 12V, 1A (enabled in BIOS)		
Audio			
Internal Speaker	2 x 2W		
Power			
Power Supply	12V, 5A		
Control / Indicator			
Power Button	1		
Peripherals			
Printer	CHD TH508 (option) (short PRN cable available)		
iButton	Yes (option)		
LTE/4G Module	Category 4, Max 150Mbps (DL)/Max 50Mbps (UL) (option)		
Second Display	5,2" 2x20 LCD with NFC, 10,1" or 15" LCD display with or without touch (option)		
Certificate			
EMC & Safety	EMC & Safety: FCC, CE, RCM, IMDA (others on the request)		
Environment			
Operating Temperature	0°C to +45°C (+32°F to +113°F)		
Storage Temperature	-20°C to +80°C (-4°F to +176°F)		
Operating Humidity	10% to 90% RH non-condensing		
Storage Humidity	10% to 90% RH non-condensing		
Dimensions (W x D x H)	219 x 222 (base), height: min. 290 / max. 442		
Weight	5 kg (w/o PSU)		
Mounting	100mm x 100mm VESA mounting hole for panel PC type		
OS Installed	Microsoft Windows® 10 Enterprise 2019 LTSC		
OS Supported	Other Windows10 variants, Android, Linux (TBC)		
Warranty	2 years		

Rev. date: 02.09.2021