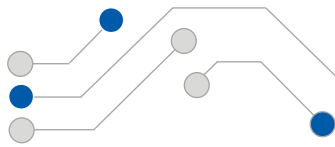**Computer Hardware Design**

CHD 87x0

All-in-one POS terminal

- ✓ 15" or 18.5" LCD display with Projected Capacitive Touch Panel
- ✓ Competitive cost model with Intel® Celeron® N3060
- ✓ High-performance models with Intel® Core™ i5-6500TE
- ✓ Slim housing & compact footprint design
- ✓ Stylish modern design
- ✓ Fanless
- ✓ Robust Aluminum Alloy (die-casting) housing and stand
- ✓ Easy maintenance-Quickly disassembly of POS terminal and stand
- ✓ Various POS peripherals for all requirements
- ✓ IP65 protection for front panel housing

CHD 87x0 series hardware destined to be either POS Terminal or Panel PC, casts modern existence for its 15" or 18.5" true flat touch panel and streamlining shape. No matter which role it plays, CHD 87x0 series was born with a fanless system without boring noise that makes it perfectly fit to a variety of locations. In case it is placed in harsh environment, CHD 87x0 series incorporates die casting technology to its stand so as to give carefree utilization.

CHD 87x0

All-in-one POS Terminal

Computer Hardware Design

Specification

	CHD 8750	CHD 8760	CHD 8770C	CHD 8770	CHD 8780
Motherboard					
Processor	Intel® Celeron® N3060	Intel® Celeron® N3160	Intel® Celeron® G3900	Intel® Core™ i5-6500TE	Intel® Celeron® N3160
System Memory	4GB, 1 x DDR3L (exp. up to 8GB) - 1600MHz (1.35V)	4GB, 1 x DDR3L (exp. up to 8GB) - 1600MHz (1.35V)	4GB, 1 x DDR3 (exp. up to 8GB) - 1600MHz (1.35V)	4GB, 1 x DDR4 (exp. up to 16GB) - 2133MHz (1.2V)	4GB, 1 x DDR3L (exp. up to 8GB) - 1600MHz (1.35V)
LCD Touch Panel					
LCD Size	15" LED LCD	18.5" LED LCD	18.5" LED LCD	18.5" LED LCD	15" LED LCD
Brightness	300 cd/m²				
Resolution	1024 x 768	1366 x 768	1920 x 1080	1920 x 1080	1024 x 768
Touch Screen	Projected Capacitive with 10 touch points				
Tilt Adjustment	TBS				
Storage Device					
Hard Drive	64 GB SSD, expand.	64 GB SSD, expand.	64 GB SSD, expand.	256 GB SSD, expand.	64 GB SSD, expand.
Expansion					
Mini PCI-E Socket	1				
External I/O Ports					
USB Port	4 x USB (2 x USB 3.0, 2 x USB 2.0)	6 x USB (2 x USB 3.0, 4 x USB 2.0)	6 x USB (2 x USB 3.0, 4 x USB 2.0)	6 x USB (2 x USB 3.0, 4 x USB 2.0)	4 x USB (2 x USB 3.0, 2 x USB 2.0)
Serial Port	4 x COM ports RJ-45 connectors (2 ports with power: 5V=green LED/12V=yellow LED, enabled by BOIS)				
Parallel Port	N/A				
LAN Port	1 x RJ-45 (10/100/1000Mbps Giga LAN)				
Second Display	1x HDMI (12V power by DC-jack, enabled in BIOS)				
Cash Drawer Port	1 x RJ-11 (12V/24V)				
DC Jack	1				
Audio Jack	1 x combo: mic & line out				
Audio					
Internal Speaker	1 x 2W	2 x 2W	2 x 2W	2 x 2W	1 x 2W
Power					
Power Supply	DC 65W,19V,3.42A	DC 90W,19V,4.74A	DC 120W,19V,6.32A	DC 120W,19V,6.32A	DC 65W,19V,3.42A
Control / Indicator					
Power Button	1				
Peripheral					
MSR	3 Tracks MSR USB (option)				
Finger print	1 (USB) (option)				
iButton	Option				
Second Display	2x20 VFD or 10.1", 14" or 15" Second LCD Display with or without touch (option)				
Certificate					
EMC & Safety	FCC, CE				
Environment					
Operating Temperature	0°C to +60°C (+32°F to +140°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				
Dimension (W x D x H)	360 x 200 x 340 mm	470 x 200 x 350 mm	470 x 200 x 350 mm	470 x 200 x 350 mm	360 x 200 x 340 mm
Weight	5.6 kg	6.9 kg	6.9 kg	6.9 kg	5.6 kg
Mounting	70mm x 70mm & 100mm x 100mm VESA mounting hole for panel PC type				
OS Installed	Windows® 10 Enterprise 2016 LTSB				
OS Supported	Linux, Windows® 8, Windows® 8.1, Windows® 10				

Rev. date: 14.08.2018