NPT 5851

Main Features

- 15" 4:3 XGA (1024 x 768) TFT LCD panel
- 15" 5-wire resistive true flat touch screen
- 2nd/3rd generation Intel® Core™ i3/i5/i7 processor
- Support DDR3 1333 SO-DIMM memory
- 2.5" removable SATA HDD

- Powered COM (4), USB (4), printer port (1), VGA (1), GbE LAN (1), cash drawer(1)
- Front bezel complies with IP-65 protection standard
- Option kits for MSR/fingerprint/VFD
- Optional VESA 100 x 100mm mounting for wall-mount application

Product Overview

The NPT 5851 is a high performance Point-of-Sale (POS) hardware solution to fulfill your POS hardware requirement. The stylish zero bezel design makes it easy for your POS Terminal to fit the modern store design.

Removable HDD, MSR, fingerprint and VFD kit design provides an easy maintenance method, which saves your service cost. The +12VDC output provides sufficient power for your 2nd display from POS terminal, and offers better cable routing and high-integration for the 2nd display. Small footprint is ideal for installations where space is compact in stores. The VESA mounting design of display head, only 100 x 100mm, provides another option for wall-mounting application when detaching the stand of terminal. The design offers a spill resistant and high integration for POS peripherals, which provides restaurant and retail conditions with continuous operation.

Specifications

Panel
- LCD Size: 15" , 4:3
- Resolution: XGA 1024 x 768
- Luminance: 250cd/m^2
- Contrast ratio: 700
- LCD color: 16.2M
- Viewing angle: 80 (upper), 80 (lower), 85 (left), 85 (right)
- Backlight: CCFL/LED
- Touch Screen: 5-wire true flat (zero bezel) resistive
- Touch light transmission: 80%
- Touch interface: USB

System
- CPU:
  - Default:
    Intel® Pentium® processor B950, 2C/2T, 2.10 GHz, 2MB Cache
  - Upgrade optional:
    2nd generation Intel® Core™ mobile processor: i7-2710QE, 4C/8T, 2.1GHz, 6MB Cache; i5-2510E, 2C/4T, 2.5GHz, 3MB Cache; i3-2330E, 2C/4T, 2.2GHz, 3MB Cache
  - Optional:
    Intel® Celeron® processor B810, 2C/2T, 1.60 GHz, 2M Cache
- BIOS: AMI BIOS
- System chipset: Intel® HM65
- System memory: 1 x 204-pin DDR3 1333 SO-DIMM socket, 2GB DDR3 (default), Optional two sockets support up to 8GB DDR3 1333, non-ECC and un-buffered
- Hard disk drive: One 2.5" 320GB SATA HDD, removable type
- Expansion: 1 x Mini-card Socket for Mini-PCIe and USB interface

Rear I/O
- USB: 4 x USB 2.0 port
- COM: 4 x DB-9 powered RS-232 port, adjust RI/5V/12V by BIOS setting
- Ethernet: 1 x RJ-45, 10/100/1000 Mbps
- VGA: 1 x DB-15 2nd VGA port
- Cash drawer: 1 x RJ-11 port, support two cash drawers (24V, Max 1.1A)
- Parallel: 1 x DB-25 printer port
- Audio: 1 x Line-out jack
- DC-IN: 1 x +19VDC input, Mini-DIN 4Pin lock type
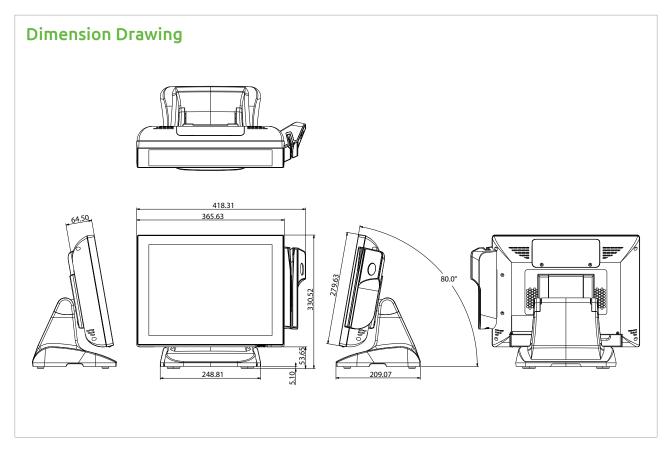- DC-OUT: 1 x +12VDC output for 2nd display power (12V, Max 3.0A)

Audio
- High Definition audio codec: Realtek ALC886-GR
- Internal audio: one 3W speaker
- External audio: Line-out audio jack

Ethernet
- LAN chip: Intel® PHY WG82579LM Gigabit LAN

Dimension Drawing

- Ethernet interface: 10/100/1000 Based-TX Ethernet compatible

Mechanical & Environment
- Color: black
- Mounting: desktop type, optional VESA 100 x 100mm wall-mount when detaching stand
- IP protection: front bezel complies with IP-65 protection standard
- Power input: +19VDC
- Power adapter: AC to DC power brick (+19VDC/6.315A, 120W)
- Operating temperature: 0°C to 40°C
- Storage temperature: -20°C to 60°C
- Operating humidity: 20% ~ 80% relative humidity, non-condensing
- Dimension: 366mm (W) x 331mm (H) x 210mm (D) (no MSR), 419mm (W) x 331mm (H) x 210mm (D) (with MSR)
- Weight: 8.5kg
- Tilt angle: 0° ~ 80°

Certifications
- CE approval
- FCC Class A

Ordering Information

- **NPT 5851-015 (P/N: A0Y00585105X0)**
  - CPU: Intel® Core™ i3/i5/i7 mobile processor,2C/2T,2.10GHz, 2MB cache
  - LCD/Touch: 15" XGA 1024 x 768 250nits with LED backlight/ELO 5-wire true flat resistive touch
  - Memory: 2GB DDR3 SO-DIMM
  - HDD: 320GB 2.5" SATA 5,400rpm
  - Power: +19VDC/120W power brick

- **Options**
  - 3G module kit (P/N: BW00000023X00)
  - WiFi module kit (P/N: TBD)