DN Series® BEETLE A1050

All-in-One POS System

BEETLE A1050 sets a new industry standard with its 15" touch POS and kiosk, blending innovation, sealed design and fanless operation for unparalleled value and longevity.

Its modular and scalable design, consistent software and common components simplify maintenance, offer unimaginable upgrade capabilities, protect your investments and make the system the perfect solution for stores and restaurants around the globe. The BEETLE A1050 empowers you to be more.

Reliability

The BEETLE A1050 is a robust solution that combines industrial-grade reliability with the elegance of a state-of-the-art product design:

- Fanless system design increases the reliability and system availability
- Dust-proof, sealed housing protects the system's interior from dirt and debris
- Splash-proof system design fulfills IP54 specifications

Modularity

A common modular hardware platform consisting of interchangeable touch panels, motherboards, I/O hubs, and integrated peripherals supported by standard-based system software and middleware and smarter services ensures more seamless integration into your organization's channel ecosystem.

Versatility

The BEETLE A1050 adapts to specific requirements, blending perfectly into any store environment with this benefits:

- Intel's Whiskey Lake processor
- Scalable I/O interface concept
- Integrated wireless LAN
- VESA 100 mounting on a counter, pole or wall
- Customer displays in various sizes
- iButton
- NFC
- MSR
- 2D Barcode
- Fingerprint

Features

APPLICATION

- Front-end POS system
- Kiosk solution
- Information/ service-terminal

EXCELLENT ERGONOMIC DESIGN AND SIMPLE OPERATION

The BEETLE A1050 is designed to provide optimal ergonomics to boost efficiency and reduce downtime.

- The angle and height-adjustable desktop stand, improved viewing angle, the antiglare display surface and a brighter, high-contrast, LCD support individual adjustments, reduce light reflections and improve the user experience
- Equipped with up to two solid-state drives the system runs totally silent

BEST-IN-CLASS MANAGEABILITY

The BEETLE platform has borne the "Ready for Management" label for many years and the BEETLE A1050 is no exception.

- Uses power-saving mobile Core processor technology from Intel
- The desktop management agent BEETLEINFO supports remote asset management and remote monitoring
- The service-friendly click and connect design enables faster, easier exchange of components (e.g. the swap of the storage device)

Technical Specification

DISPLAY
- 15" LED-backlit LCD, 4:3
- Resolution 1024 x 768 pixels
- Projected capacitive multi-touch
- Anti-glare

PROCESSORS
- 15W class:
  – Alder Lake PS Celeron 7305L, Core i5-1235UL
  – Raptor Lake PS U300L
- 45W class:
  – Alder Lake PS Core i5-12600HL vPRO
  – Raptor Lake PS Core 3-100HL, Core 5-130HL

MAIN MEMORY
- 4 GB – 32 GB DDR4 RAM

ONBOARD INTERFACES
- RS232 (switchable 0/5/12V): 2
- USB (2.0/3.0): 2/2
- USB-C (PD 5V/12V + DisplayPort)
- USB-C (PD 5V/24V for printer)
- Ethernet LAN: 1Gbit/s
- Cash drawer

INTERFACE HUB OPTIONS
- DA53 Multi I/O Hub
- Multi Interface Hub Gen. 2

STORAGE MEDIA
- Up to 2x M.2 SSD

ADAPTABLE PERIPHERALS
- MSR / iButton / NFC / 2D Barcode / Fingerprint reader
- Rear-mounted customer display

INTEGRATED FEATURES
- 1x Loudspeaker
- Firmware TPM 2.0
- WLAN / Bluetooth option

COLOR OPTIONS
- Black or silver

SYSTEM MANAGEMENT
- BEETLEINFO (Management Agent)
- Desktop Management Interface (DMI)
- Preboot Execution Environment (PXE)
- Advanced Configuration and Power Interface (ACPI)
- Wake on LAN (WoL)
- System Management BIOS (SMBIOS)

Software Options

Operating systems:
- Windows 10 IoT 2019 LTSC
- Windows 10 IoT 2021 LTSC
- WNLPOS 4.x
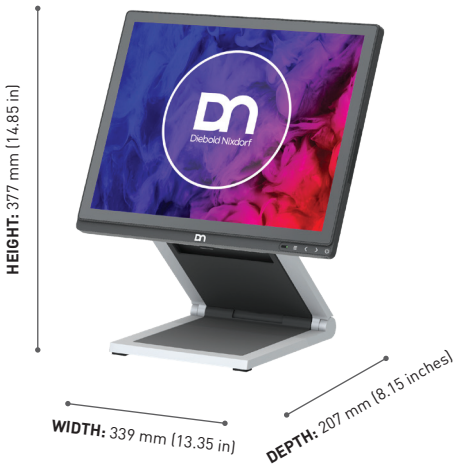- DNL1
- Designed for any POS application

Dimensions

HEIGHT: 377 mm (14.85 in)
WIDTH: 339 mm (13.35 in)
DEPTH: 207 mm (8.15 inches)

Height (w/stand): 377 mm (14.85 inches)
(w/o stand): 273 mm (10.75 inches)
Width: 339 mm (13.35 inches)
Depth (w/stand): 207 mm (8.15 inches)
(w/o stand): 38mm (1.5 inches)
Weight (w/stand): approx. 5 kg (approx 11 lbs)
(w/o stand): approx. 3 kg (approx. 6.6 lbs)

The look, dimensions, capabilities or other characteristics of this terminal are subject to continual improvement and change.

Power Consumption

BEETLE A1050	Soft off (W)	Sleep (W)	Idle (W)	Performance (W)
Celeron 4305UE A1x50	1,29	3,00	15,90	27,50
Core i3 8145UE A1x50	1,28	3,00	16,60	40,70
Core i5 8365UE A1x50	1,10	3,00	27,20	41,00

Housing

Fanless Housing

To learn more, **visit DieboldNixdorf.com.**