# HP Retail Solutions
# Nantucket All in One Overview

**Forward-looking statements**
**This is a rolling (up to three year) Roadmap and is subject to change without notice.**

This document contains forward looking statements regarding  future operations, product development, product capabilities and availability dates. This information is subject to substantial uncertainties and is subject to change at any time without prior notification. Statements contained in this document concerning these matters only reflect HP Inc's predictions and/or expectations as of the date of this document and actual results and future plans of HP Inc. may differ significantly as a result of, among other things, changes in product strategy from technological, internal corporate, market and other changes. This is not a commitment to deliver any material, code or functionality and should not be relied upon in making purchasing decisions.

All product views are illustrations and might not represent actual product, screens.

# THE NEW RETAIL & HOSPITALITY BASELINE

Design    Versatility    Security    Scalability    Reliability

**hp**

# OUR PORTFOLIO STRATEGY
## EMPOWERING ASSOCIATES | ENGAGING CUSTOMERS

*From traditional to mobile, HP has in-store solutions to empower associates and engage customers*

# Reinventing the Retail All-in-One

Head unit [CPU, display, RAM, Storage, opt. WLAN, MSR]

Stand:
1. Fixed Position
2. Swivel & Tilt

**Not Shown:**
Stand connects through a Single USB-C Cable with secure latching to connectivity base

Optional Integrated Printer or Stand Spacer

Stability Plate

Connectivity Base:
2 Options based on I/O requirements

# Two Printer Options[4]



Standalone
companion printer

Integrated column
printer

A **single 2x20 display**[4]
with complex characters
for **global support**

# Extends beyond POS

Interactive Signage
Self-Service
Time & Attendance

# Optimized for Retail & Hospitality Environments

- Anti-glare, direct-bonded glass for optimal clarity/brightness

- Sealed, chemically-hardened displays for robustness

- 300k duty cycle on stand rotation

- Anodized Aluminum chassis for durability

- Liquid channeling for spill-resistance

- Venting input from side for enhanced reliability

- Optimized cable management
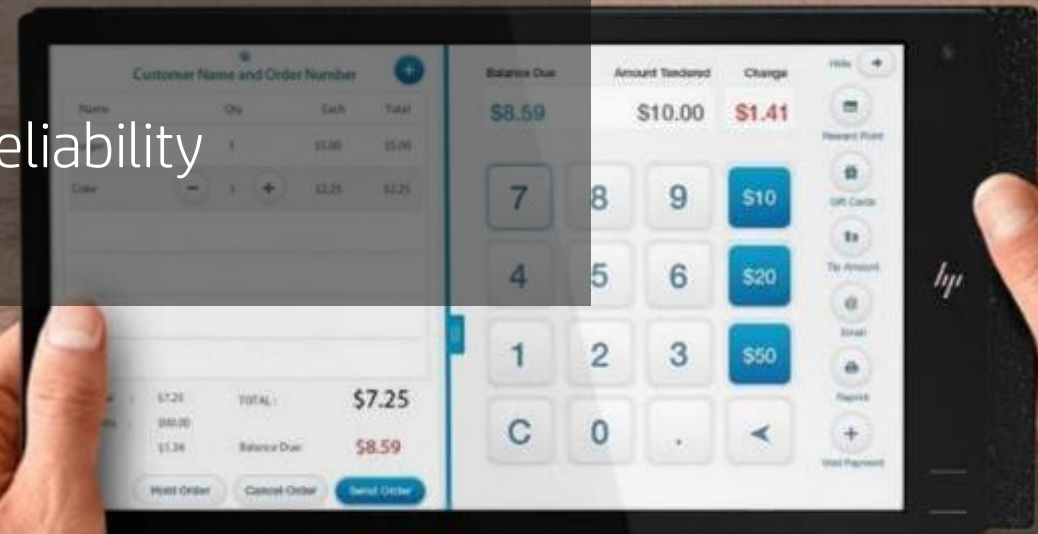
# Highly Responsive

- Touch-down / Lift-Off touchscreen enhancements

- Edge-to-Edge 14" Diagonal Screen with Projected Capacitive Touch

- High-performance, energy-efficient 7th generation Intel® Kaby Lake processors (Celeron®, Core™ i3, Core™ i5 w/ vPro™)[6]

- M.2 SSD's offer up to 4x the performance of SATA HDD's

- DDR4 memory provides 30% increased performance than DDR3
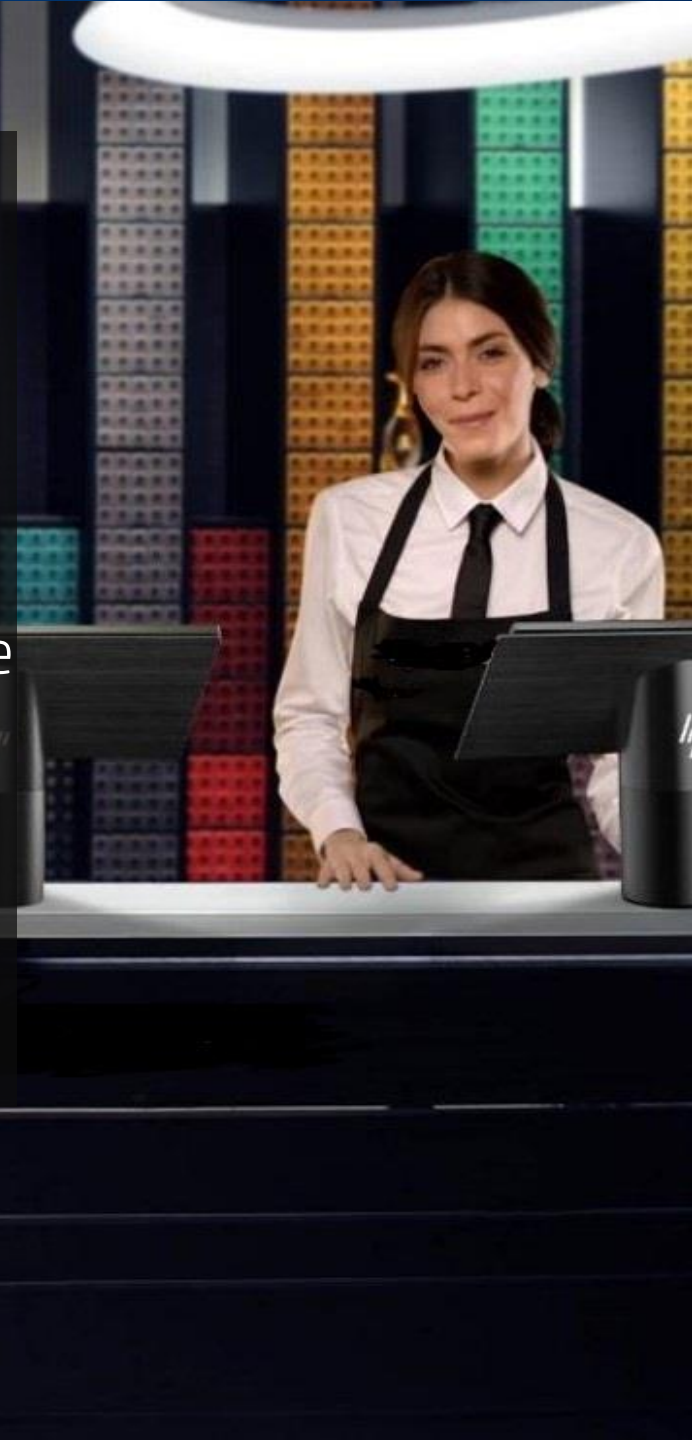
# Multi-Layer Security

- HP BIOSphere[2] with SureStart Gen 3[1]:
  - Industry's first self-healing BIOS
  - Now able to seamlessly integrate into Microsoft System Center Configuration Manager (SCCM)
- Physical security
  - Bolt to counter, VESA mounting, K-Lock
- Biometric fingerprint authentication
- Device Guard[10] to limit access to only authorized applications (whitelisting)
- Credential Guard for more secure user authentication and password protection
- vPro manageability with Core i5
- Integrated SD Card Reader (head and base) for easy backup, deployment, and servicing
- HP Touchpoint Manager[5] helps boost productivity by enabling companies short on IT resources to easily manage data, devices and users

# Nantucket Peripherals Family[4]


Column Printer


Standalone Printer


2D Barcode Scanner


2x20 Customer Display


10" Touch & Non-Touch Customer Displays


Magnetic Stripe Reader


Biometric Fingerprint Reader

# Performance Connectivity Base I/O



Cash Drawer
24V PWR USB
12V PWR USB
DC In   USB Type C
PWR Serial – DB9
USB  3.0
USB Type C   LAN

Micro SIM
on Side
Audio Port
on Side

# Value Connectivity Base I/O



Cash Drawer
DC In   USB Type C
PWR Serial – DB9
USB 2.0
USB 3.0
USB Type C   LAN

Micro SIM
on Side
Audio Port
on Side
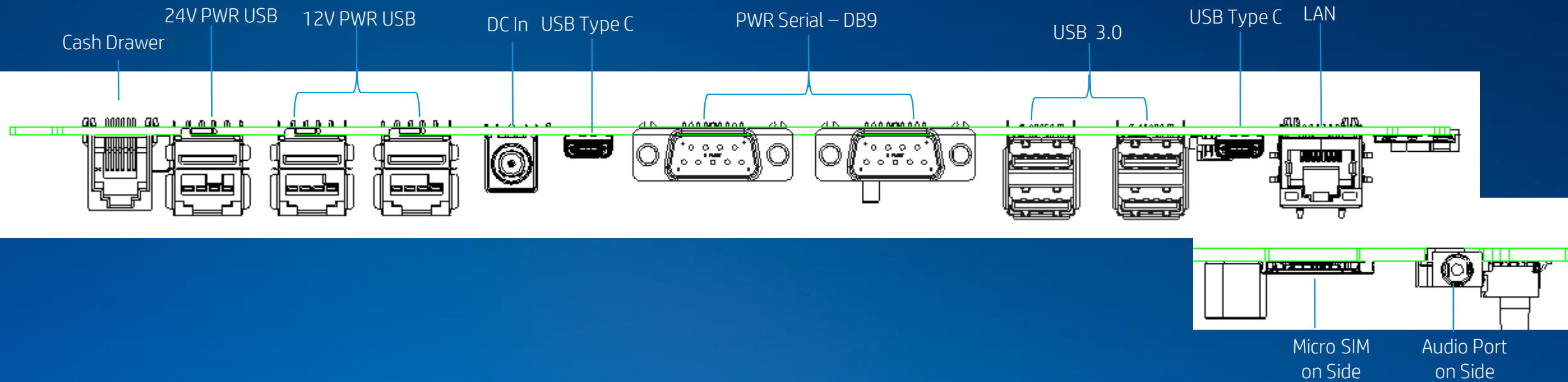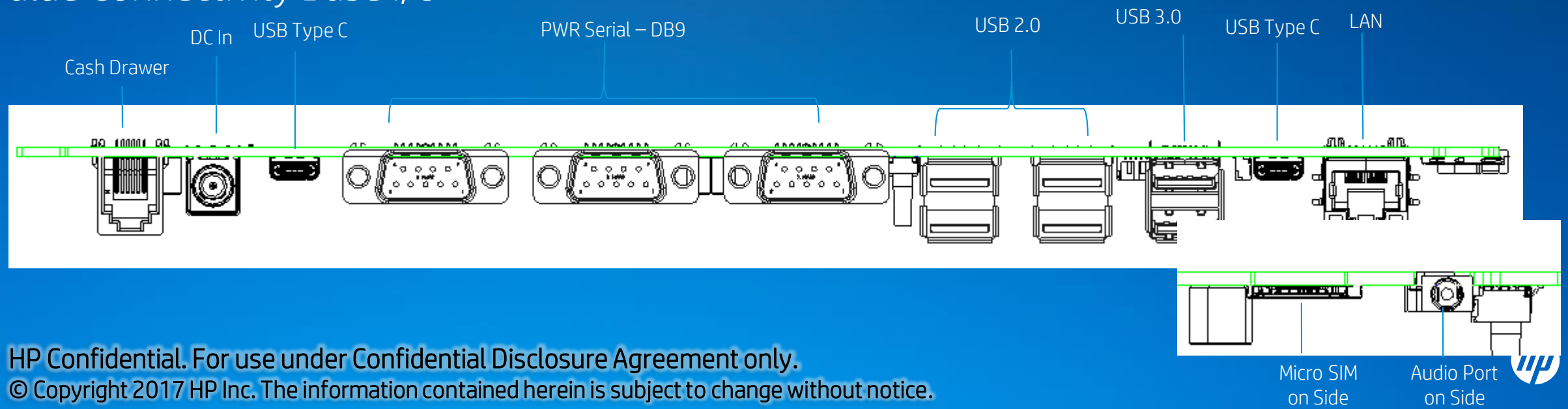
## Feature Summary

- AiO Form Factor
- Intel® SOC CPUs – Kaby Lake "U" version[6]
  - Intel® Celeron® 3965U 2.2GHz 2M 2133 2C[6]
  - Intel® Core™ i3 - 7100U 2.40GHz 3M 2133 2C[6]
  - Intel® i5 - 7300U 2.60GHZ 3MB 2133 2C[6]
- 14"diagonal display panel (wide-aspect ratio); FHD 1920 x 1080 Resolution, sealed and chemically hardened, Anti-glare; anti-smudge
- Touch Solution (edge-to-edge, zero bezel display)
  - One touch solution: Projected Capacitive

    Value Display Panel:
    - Anti-Glare WLED SVA
    - 15K Backlight Hours / 300 Nits Panel[11]

    Performance Display Panel:
    - Anti-Glare WLED UWVA
    - 50K Backlight Hours / 500 Nits Panel[11]

Fixed Position Stand
Performance Stand:
- Display swivels (300K duty cycle on stand rotation)
- 10° angle adjustability
- 180-degree rotation left or right

- Storage: (1) M.2 SSD[7]
  - 128 GB, 256GB, 512GB, 360GB, 1TB (SATA or NVME)

- Memory: (2) DIMM Slots, DDR4-2400
  - Maximum memory 32GB (2x16GB)

- WLAN: (1) M.2 Option (with Bluetooth ®
  - Intel Windstorm Peak 8265 ac 2x2 +Bluetooth® 4.2 M.2 non-vPro WW
  - Intel Windstorm Peak 8265 ac 2x2 +Bluetooth® 4.2 M.2 vPro WW
  - Realtek Sanji2 bgn 1x1 +Bluetooth® 4.0 WW

- Operating Systems support:
  - Windows 10 Professional, 64-bit (Pre-installed)
  - Windows 10 IoT Enterprise 2017 LTSB, 64-bit (Pre-installed)[5]
  - FreeDOS (Pre-installed)
  - Certification only: SuSE Linux® 12 SP2, SLEPOS
- Ports
  - USB-C (Only port within the column for the display head to connect to retail connectivity base (s) or power supply)

Retail I/O:
- Performance Connectivity Base I/O:
  - 2x Serial (0V, 5V,12V)
  - 2x 12V PUSB
  - 1x 24V PUSB
  - 4x USB (4x 3.0)
  - 1x Cash Drawer
  - 1x LAN
  - 1x Video Out (USB-C)
- Value Connectivity Base I/O:
  - 3x Serial (0V, 5V,12V)
  - 6x USB (2x 3.0)
  - 1x Cash Drawer
  - 1x LAN
  - 1x Video Out (USB-C)

- Other
  - Integrated Speakers
  - Fan-based
  - Retail Hardened Designed (IP & Mil-Std Spec[3,9] rated)
  - External Power Supply
  - VESA mount-capability
  - SD Card Reader in head unit display and I/O connectivity bases
  - vPro manageability with Core i5 and Wireless LAN
  - HP Touchpoint Manager[5]
  - TPM 2.0
  - UEFI 2.5 supported
  - ASF 2.0
- Peripherals
  - MSR, Fingerprint Reader, Barcode Scanner
  - 2 x 20 (Supports Complex and non-Complex characters)
  - 10" (touch and non-touch) CFDs
  - Column Printer and Standalone Printer

- Standard Warranty Options – 90/90/90, 1/1/1, 3/3/3; Plus Optional Care Packs[8]

- Security
- Physical Security Features:
  - Bolt to counter, VESA mounting, K-Lock
  - Biometric fingerprint authentication

- HP BIOSphere with SureStart Gen 3[1,2]
- Device Guard[10] support to limit access to only authorized applications
- Credential Guard support for more secure user authentication and password protection

# Footnotes

1. Sure Start Gen 3 is Available on HP products equipped with Intel® 7th generation processors.

2. HP BIOSphere Gen3 features may vary depending on the PC platform and configurations. Requires Intel® or AMD 7th generation processors.

3. HP Total Test Process testing and MIL STD test results are not a guarantee of future performance under these test conditions. Damage under the MIL STD test conditions or any accidental damage requires an optional HP Accidental Damage Protection Care Pack.

4. Sold separately or as an optional feature.

5. HP Touchpoint Manager requires purchase of a subscription and supports Android™, iOS and Windows 7 (SP1) or Windows 8.1 or higher operating systems and PCs, notebooks, tablets and smartphones from various manufacturers. Not available in all countries see www.hp.com/touchpoint for availability information.

6. Multi-Core is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering is not a measurement of higher performance.

7. For hard drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30GB of system disk (for Windows) is reserved for system recovery software.

8. HP Care Packs are optional. Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictions and limitations apply. For details, visit www.hp.com/go/cpc. HP services are governed by the applicable HP terms and conditions of service provided or indicated to Customer at the time of purchase. Customer may have additional statutory rights according to applicable local laws, and such rights are not in any way affected by the HP terms and conditions of service or the HP Limited Warranty provided with your HP Product.

9. MIL STD 810G testing is pending and is not intended to demonstrate fitness for U.S. Department of Defense contract requirements or for military use. Test results are not a guarantee of future performance under these test conditions. Damage under the MIL STD test conditions or any accidental damage requires an optional HP Accidental Damage Protection Care Pack.

10. Device Guard is only available with Windows 10 IoT 64 Enterprise LTSB for Retail. Device Guard is not available with Windows 10 Pro.

11. Nits is the measure of the typical brightness of the panel as specified, prior to anti-glare coating

# Key Feature Summary

| | Next Gen AiO | |
|---|---|---|
| Processor | Intel Kaby Lake: Celeron, Core i3, Core i5[6] (15W) | |
| Panel | 14" Diagonal Widescreen Projected Capacitive | |
| System Memory | 2x DIMM DDR4 (32GB Max) | |
| Storage Options | 1x M.2 (256GB Max) | |
| I/O Connectivity Base Options | **Performance Connectivity Base I/O**<br><br>2x Serial<br>2x 12V PUSB<br>1x 24V PUSB<br>4x USB (4x 3.0)<br>1x Cash Drawer<br>1x LAN<br>1x Video Out (USB-C) | **Value Connectivity Base I/O**<br><br>3x Serial<br>6x USB (2x 3.0)<br>1x Cash Drawer<br>1x LAN<br>1x Video Out (USB-C) |
| O/S | Windows 10, Windows 10 IoT, FreeDOS, Certification only:  SuSE Linux 12 SP2, SLEPOS | |