## IVMS-WS-I3



**Intel® NUC 7 Business, a Mini PC with Windows® 10 Pro - NUC7i3DNKTC ()**

| Essentials | |
|---|---|
| Product Collection | Intel® NUC Mini PC with 7th Generation Intel® Core™ Processors |
| Code Name | Products formerly Dawson Canyon |
| Status | Launched |
| Launch Date | Q3'18 |
| Supported Operating Systems | Windows 10, 64-bit*, Windows 10 IoT Enterprise*, Windows Server 2016* |
| Board Number | NUC7i3DNB |
| Board Form Factor | UCFF (4" x 4") |
| Socket | Soldered-down BGA |
| Internal Drive Form Factor | M.2 SSD |
| # of Internal Drives Supported | 1 |
| TDP | 15 W |
| DC Input Voltage Supported | 12-24 VDC |
| Pre-Installed Operating System | Windows 10, 64-bit* |
| Processor Included | Intel® Core™ i3-7100U Processor (3M Cache, 2.40 GHz) |
| Intel® vPro™ Platform Eligibility ‡ | No |
| # of Cores | 2 |
| # of Threads | 4 |
| Processor Base Frequency | 2.40 GHz |
| Warranty Period | 3 yrs |
| Supplemental Information | |
| **Embedded Options Available** | **Yes** |
| Datasheet | View now |
| Description | 7th Gen Commercial Intel® NUC with 4GB RAM, 128GB SSD and Windows 10 Pro* |
| Memory & Storage | |
| **Included Storage** | **128GB SSD** |
| Included Memory | 1x 4GB DDR4 |
| Max Memory Size (dependent on memory type) | 32 GB |
| Memory Types | DDR4-2133 1.2V SO-DIMM |
| Max # of Memory Channels | 2 |
| Max # of DIMMs | 2 |
| ECC Memory Supported ‡ | No |
| Processor Graphics | |
| **Processor Graphics ‡** | **Intel® HD Graphics 620** |
| Integrated Graphics ‡ | Yes |
| Graphics Output | Dual HDMI 2.0a, 4-lane eDP 1.4 |
| # of Displays Supported ‡ | 2 |
| Expansion Options | |
| **PCI Express Revision** | **Gen 3** |
| PCI Express Configurations ‡ | PCIe x4: M.2 22x80 (key M) slot PCIe x1: M.2 22x30 (key E) slot |
| M.2 Card Slot (wireless) | 22x30 (key E) slot |
| M.2 Card Slot (storage) | 22x80 (key M) slot |
| I/O Specifications | |
| **# of USB Ports** | **4** |
| USB Configuration | 2x front and 2x rear USB 3.0; 1x USB 3.0 and 2x USB 2.0 via internal headers |
| USB Revision | 2.0, 3.0 |
| USB 2.0 Configuration (External + Internal) | 0 + 2 |
| USB 3.0 Configuration (External + Internal) | 2B 2F +1 |
| Total # of SATA Ports | 2 |
| Max # of SATA 6.0 Gb/s Ports | 2 |
| RAID Configuration | N/A |
| Serial Port via Internal Header | Yes |
| Integrated LAN | Intel® i219-LM 10/100/1000 Mbps Ethernet |
| Integrated Wireless‡ | Intel® Wireless-AC 8265 + Bluetooth 4.2 |

| | |
|---|---|
| Integrated Bluetooth | Yes |
| Additional Headers | Front_panel (PWR, RST, 5V, 5Vsby, 3.3Vsby); HDMI_CEC; Internal 2x2 power connector |
| Package Specifications | |
| **Chassis Dimensions** | **115 x 111 x 36 mm** |
| Advanced Technologies | |
| **Intel® Virtualization Technology for Directed I/O (VT-d) ‡** | **Yes** |
| Intel® vPro™ Platform Eligibility ‡ | No |
| Intel® ME Firmware Version | v11.7 |
| TPM | No |
| Intel® Rapid Storage Technology | Yes |
| Intel® Virtualization Technology (VT-x) ‡ | Yes |
| Intel® Platform Trust Technology (Intel® PTT) | Yes |
| Security & Reliability | |
| Intel® AES New Instructions | Yes |
| **Intel® Trusted Execution Technology ‡** | **No** |
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