BAREBONE
XPC slim
DL30N

FANLESS 1-LITRE PC SUITABLE FOR 24/7 OPERATION

The Shuttle XPC slim Barebone DL30N series is the successor to Shuttle's DL20N series. These fanless Slim PC barebones with an energy-efficient Intel 12th-Gen "Alder Lake-N" processor are suitable for building particularly slim PC systems with drives and operating system as well as client/server setups for pure network-based applications. Two Intel 2.5G LAN ports provide excellent network connectivity and the optional Shuttle accessory WWN03 allows for an LTE module to be installed for mobile internet access. The integrated graphics is based on Intel's powerful Intel UHD Graphics that supports hardware acceleration for 4K videos. Combined with an SSD drive, these Slim-PCs works virtually noiseless.







Alder Lake-N SOC CPU | HDMI 2.0b | DISPLAY-PORT 1.4a | VGA Port | Dual LAN 2.5 Gbps | DUAL COM | NVMe SSD SUPPORT | 2.5" HDD/SSD SUPPORT | VESA MOUNT | FANLESS | Max. 40 °C | 24/7 SUPPORT

SLIM DESIGN

■ Slim 1.35-litre metal chassis, black ■ Noiseless, fanless cooling system ■ Dimensions: 190 x 165 x 43 mm (LWH) ■ Including VESA mount (75/100 mm) ■ Supports 24/7 Nonstop Operation ■ Operating temperature: 0~40 °C (non-condensing)

OPERATING SYSTEM

■ An operating system is not included
■ Supports Windows 11 and Linux (64-bit)

PROCESSOR

■ Intel "Alder Lake-N" Processor, Intel 7 process technogy (10 nm)
■ **DL30N:** Intel N100 (4 cores, 6W) or **DL30N3:** Intel Core i3-N300 (8 cores, 7W) ■ Soldered SoC processor with fanless cooling

GRAPHICS

■ Integrated Intel UHD graphics with 4K support
■ Supports three independent displays (HDMI, DP, VGA)

MEMORY SUPPORT

■ 1x 262-pin SO-DIMM slot ■ Supports up to 16 GB DDR5-4800

STORAGE – SATA / M.2

■ 1x 2.5" bay for SATA hard disk or SSD, max. 12.5 mm
■ 1x M.2-2280M slot (supports PCIe x2 NVMe or SATA)
■ 1x M.2-2230E slot (supports optional WLAN cards)

CONNECTORS

■ HDMI 2.0b ■ DisplayPort 1.4 ■ D-Sub/VGA ■ 8x USB 3.2 Gen1 (blue)
■ 2x Intel 2.5 GbE LAN (i226) ■ 2x COM port (1x RS232/422/485)
■ 2x audio (line out, mic) ■ Connector for external power button
■ "Always-on" Jumper ■ DC-input 12 V or 19 V

POWER SUPPLY

■ External 65W/19V power adapter (DC-in supports 12 V and 19 V)

OPTIONAL ACCESSORIES

■ Rackmount kit (PRM01) ■ Cable for external power button (CXP01)
■ DIN-Rail kit (DIR01) ■ 4G/LTE-kit (WWN03) ■ Stand (PS02)
■ WLAN kit with two external antennas (WLN-M (ac)/WLN-M1 (ax))

Shuttle Product Comparison: DL30N versus DL20N(V2)-Series

MODEL	DL30N Series	DL20N(V2) Series
Processor	Intel "Alder Lake-N", TDP= 6-7W, 10 nm **DL30N:** Intel N100, 4-core, max. 3.4 GHz, 6W **DL30N3:** Intel Core i3-N300, 8-core, 3.8 GHz, 7W	Intel "Jasper Lake", TDP= 10W, 10 nm **DL20N(V2):** Celeron N4505, 2-core, 2.0/2.9 GHz **DL20N6(V2):** Pentium N6005, 4-core, 2.0/3.3 GHz
RAM Suppport	1x SO DIMM (262-pins) max. 16 GB DDR5-4800	2x SO DIMM (260-pins) max. 16 GB DDR4-2933
2.5 bay	Supports 2.5" SATA drive max. height: 12.5 mm	Supports 2.5" SATA drive max. height: 12.5 mm
M.2-2280 slot	M.2-2280 supports PCIe X2 and SATA	M.2-2280 supports PCIe X2 and SATA
Audio	Realtek ALC888S	Realtek ALC897 / ALC662 / ALC888S
LAN	**2x Intel 226LM – 2.5 Gbps**	**DL20N(6):** Intel 211 – 1.0 Gbps **DL20N(6)V2:** Intel 225 – 2.5 Gbps
WLAN	M.2-2230E Slot supports an optional WLAN card (Accessory WLN-M / WLN-M1)	M.2-2230E Slot supports an optional WLAN card (Accessory WLN-M / WLN-M1)
Front Panel	On/Off button Power LED, HDD LED 4x USB 3.2 Gen 1 (blue) 2x Audio	On/Off button Power LED, HDD LED 2x USB 3.2 Gen 2 (red) SD card reader 2x Audio
Back Panel	HDMI 2.0b DisplayPort 1.4a D-Sub/VGA (no hot plug) 4x USB 3.2 Gen 1 (blue) 2x RJ45 2.5G LAN 2x COM (1x RS422/485) 4-pin power-on connector	HDMI 2.0b DisplayPort 1.4a D-Sub/VGA (no hot plug) 2x USB 3.2 Gen 1 (blue) 2x USB 2.0 RJ45 LAN 2x COM (1x RS422/485) 4-pin power-on connector
DC-in port	Supports 12 V and 19 V	Supports 12 V and 19 V
Power Adapter	40 W (19V, 2.1 A)	40 W (19V, 2.1 A)
VESA Mount	included	included
Optional Accessories	**PS02**: vertical stand **CXP01**: cable for ext. power button **PRM01**: 2U rack-mount kit **DIR01**: DIN-Rail mounting kit **WLN-M/-M1:** WLAN kit with external antennas **WWN03**: LTE/4G kit for 2.5" drive bay	**PS02**: vertical stand **CXP01**: cable for ext. power button **PRM01**: 2U rack-mount kit **DIR01**: DIN-Rail mounting kit **WLN-M/-M1:** WLAN kit with external antennas **WWN03**: LTE/4G kit for 2.5" drive bay
Front View		
Back View		

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