

Shuttle DL30N Series Digital Signage Media Player



Shuttle DL30N Series Digital Signage Media Player User Guide

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Shuttle®

Shuttle DL30N Series Digital Signage Media Player



Specifications:

- Model: DL30N Series
- Product Number: 53R-DL30N3-2001
- Product Link: <http://bit.ly/DL30NSERIES>

Product Overview:

The DL30N Series features various ports and components including MIC-in, Headphones, Power LED, Hard Disk Drive LED, Power Button, USB 3.2 Gen 1 Ports, Clear CMOS & Power Button & +5V, DisplayPort, HDMI Port, COM 1 Port (RS232/RS422/RS485), COM 2 Port (RS232 only), D-Sub (VGA) Port, LAN Port, and optional LAN Port.

M.2 Device Installation:

1. Locate the M.2 key slots on the motherboard.
2. Install the M.2 device into the M.2 slot and secure with the screw.

HDD or SSD Installation:

Pasting a thermal pad on the M.2 SSD can effectively reduce its temperature.

1. Place an HDD or SSD in the rack and secure with the four screws from the sides.
2. Slide the rack back into the chassis and refasten the screws. Connect the Serial ATA cable to the HDD or SSD.

Memory Module Installation:

This motherboard supports 1.1 V DDR5 SO-DIMM memory modules.

1. Locate the SO-DIMM slot on the motherboard.
2. Align the notch of the memory module with the one of the relevant memory slot.
3. Gently insert the module into the slot in a 45-degree angle.
4. Carefully push down the memory module until it snaps into the locking mechanism.

Safety Information:

Incorrectly replacing the battery may damage this computer. Replace only with the same or equivalent as recommended by Shuttle. Dispose of used batteries in accordance with the laws of your country. This device complies with Part 15 of the FCC Rules. Operation is subject to specific conditions regarding interference.

WARNING: THIS PRODUCT CONTAINS A BUTTON BATTERY. Keep batteries out of reach of children and seek immediate medical attention if swallowed.

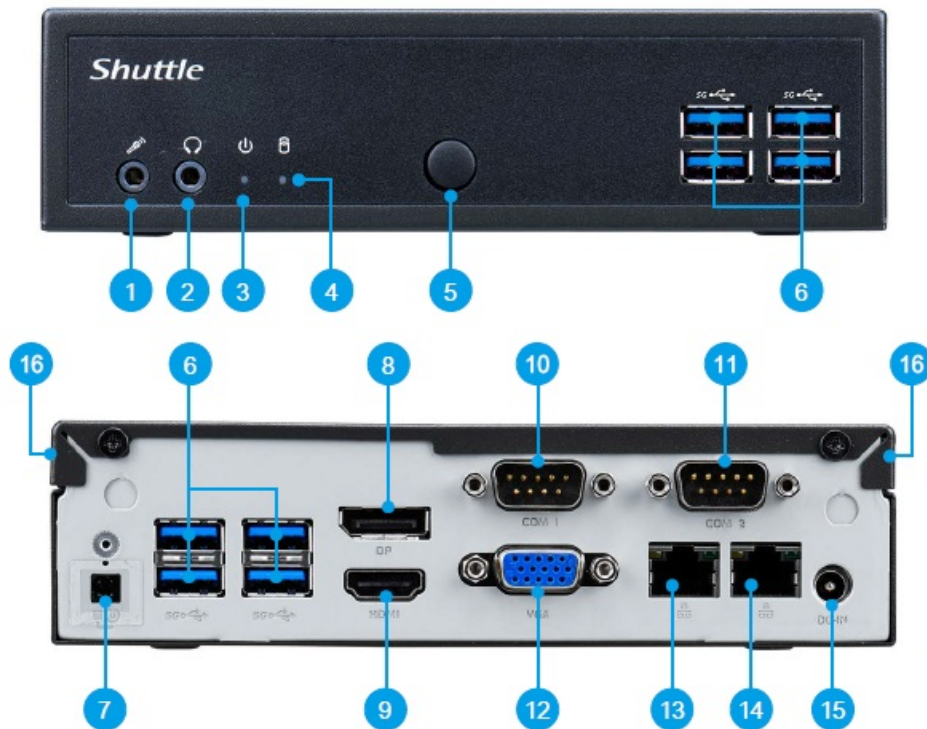
FAQ:

- **Q: Can I use DDR4 memory modules with this product?**

A: No, this motherboard only supports 1.1 V DDR5 SO-DIMM memory modules.

More information on this product can be found at: <http://bit.ly/DL30NSERIES>

Product Overview



1. MIC-in
2. Headphones
3. Power LED
4. Hard Disk Drive LED
5. Power Button
6. USB 3.2 Gen 1 Ports
7. Clear CMOS & Power Button & +5V
8. DisplayPort
9. HDMI Port
10. COM 1 Port (RS232/RS422/RS485)
11. COM 2 Port (RS232 only)
12. D-Sub (VGA) Port
13. LAN Port
14. LAN Port (optional)
15. Power Jack (DC IN)
16. Kensington® Lock Hole

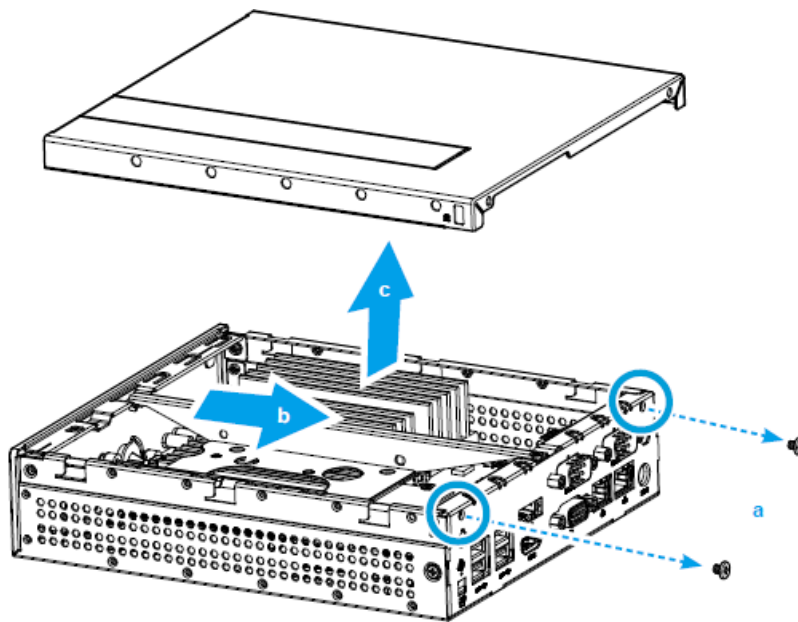
Hardware Installation

Begin Installation



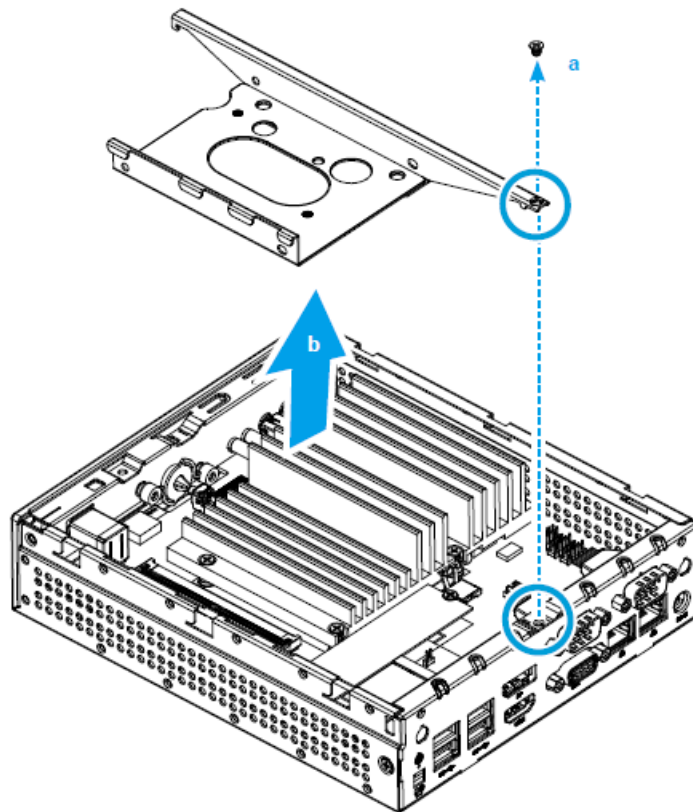
For safety reasons, please ensure that the power cord is disconnected before opening the case.

1. Unscrew the two screws of the chassis cover. Slide the cover backwards and upwards.



The product's colour and specifications may vary from the actually shipped product.

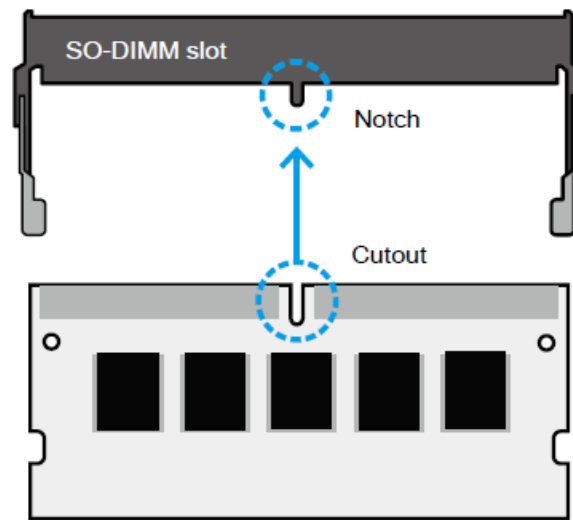
2. Unfasten the rack mount screw and remove the rack.



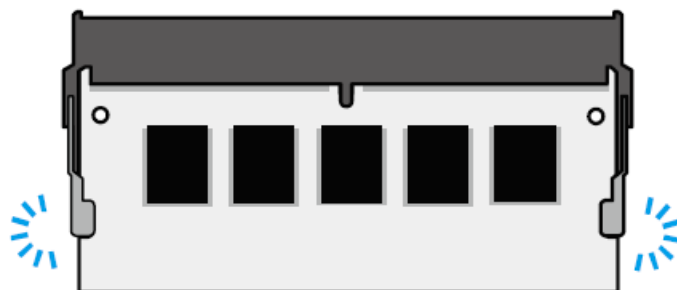
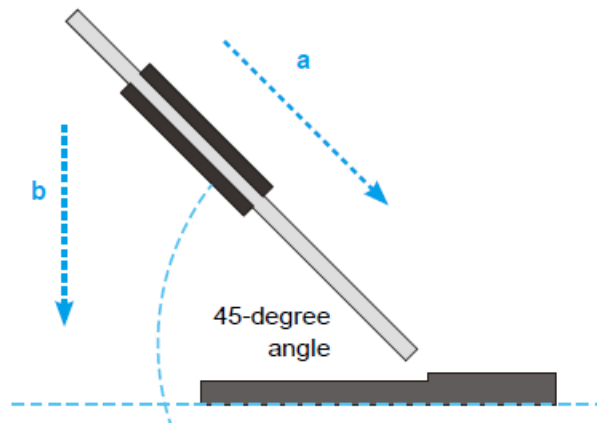
Memory Module Installation

This motherboard does only support 1.1 V DDR5 SO-DIMM memory modules.

1. Locate the SO-DIMM slot on the motherboard.
2. Align the notch of the memory module with the one of the relevant memory slot.



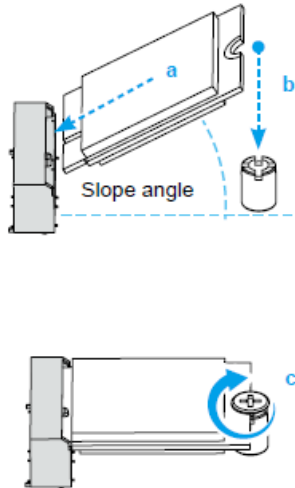
3. Gently insert the module into the slot in a 45-degree angle.
4. Carefully push down the memory module until it snaps into the locking mechanism.



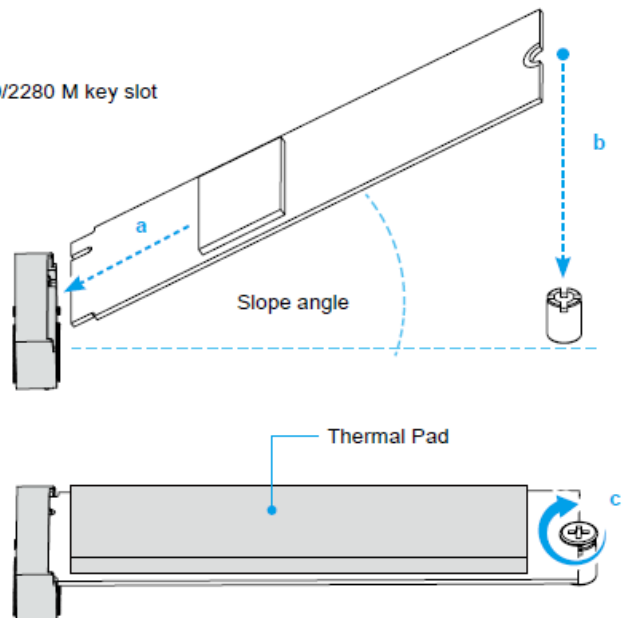
M.2 Device Installation

1. Locate the M.2 key slots on the motherboard.
2. Install the M.2 device into the M.2 slot and secure with the screw.

➤ M.2 2230 E Key slot



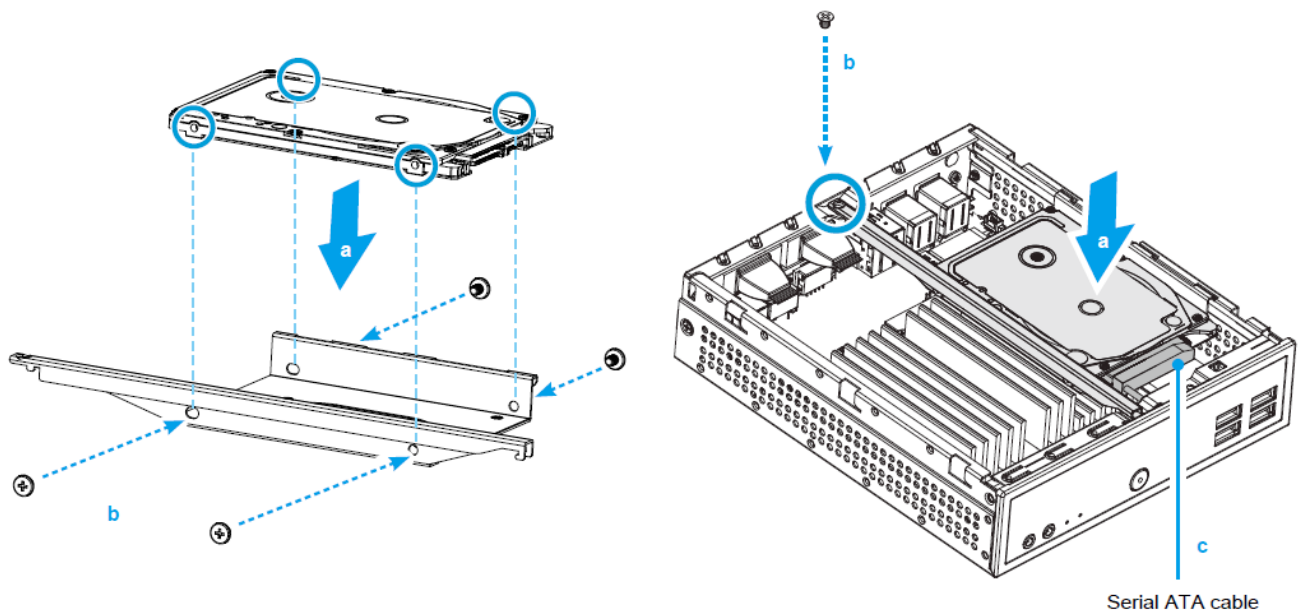
➤ M.2 2242/2260/2280 M key slot



Pasting a thermal pad on the M.2 SSD can effectively reduce its temperature.

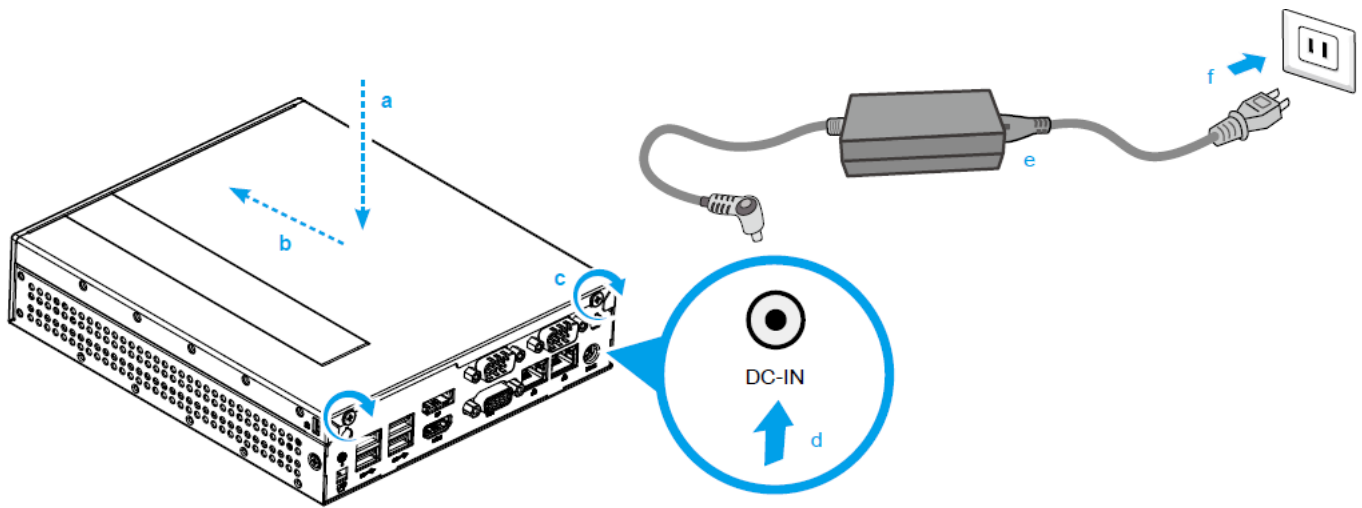
HDD or SSD Installation

1. Place an HDD or SSD in the rack and secure with the four screws from the sides.
2. Slide the rack back into the chassis and refasten the screws. Connect the Serial ATA cable to the HDD or SSD.



Complete

1. Please replace and affix the case cover with two screws, then connect the power cord.
2. Complete.



Please press the “Del” key while booting to enter BIOS. Here, please load the optimised BIOS settings.

Safety Information



Incorrectly replacing the battery may damage this computer. Replace only with the same or equivalent as recommended by Shuttle.

Dispose of used batteries in accordance with the laws of your country.

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

1. this device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.



This device meets the requirements for the EU conformity in accordance to the currently valid EU directives.

All bundled parts, power cord included, shall not be used without this product.



WARNING THIS PRODUCT CONTAINS A BUTTON BATTERY

If swallowed, a lithium button battery can cause severe or fatal injuries within 2 hours.

Keep batteries out of reach of children. If you think batteries may have been swallowed or placed inside any part of the body, seek immediate medical attention.

The product contains non-replaceable batteries. The statement “remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children.”

Do NOT dispose of batteries in household trash or incinerate.”

- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children.

Do NOT dispose of batteries in household trash or incinerate.

- Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information.
- Indicating the compatible battery type CR2032.

- Indicating the nominal battery voltage.
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above (manufacturer's specified temperature rating) or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.

Product Overview

1. MIC-in
2. Headphones
3. Power LED
4. Hard Disk Drive LED
5. Power Button
6. USB 3.2 Gen 1 Ports
7. Clear CMOS & Power Button & +5V
8. DisplayPort
9. HDMI Port
10. COM 1 Port (RS232/RS422/RS485)
11. COM 2 Port (RS232 only)
12. D-Sub (VGA) Port
13. LAN Port
14. LAN Port (optional)
15. Power Jack (DC IN)
16. Kensington® Lock Hole

Hardware Installation

Begin Installation



For safety reasons, please ensure that the power cord is disconnected before opening the case.

1. Unscrew the two screws of the chassis cover. Slide the cover backwards and upwards.
2. Unfasten the rack mount screw and remove the rack.

Memory Module Installation



This motherboard does only support 1.1 V DDR5 SO-DIMM memory modules.

1. Locate the SO-DIMM slot on the motherboard.
The product's colour and specifications may vary from the actually shipped product
2. Align the notch of the memory module with the one of the relevant memory slot.
3. Gently insert the module into the slot in a 45-degree angle.
4. Carefully push down the memory module until it snaps into the locking mechanism.

M.2 Device Installation

1. Locate the M.2 key slots on the motherboard.

2. Install the M.2 device into the M.2 slot and secure with the screw



Pasting a thermal pad on the M.2 SSD can effectively reduce its temperature.

HDD or SSD Installation

1. Place an HDD or SSD in the rack and secure with the four screws from the sides.
2. Slide the rack back into the chassis and refasten the screws. Connect the Serial ATA cable to the HDD or SSD.

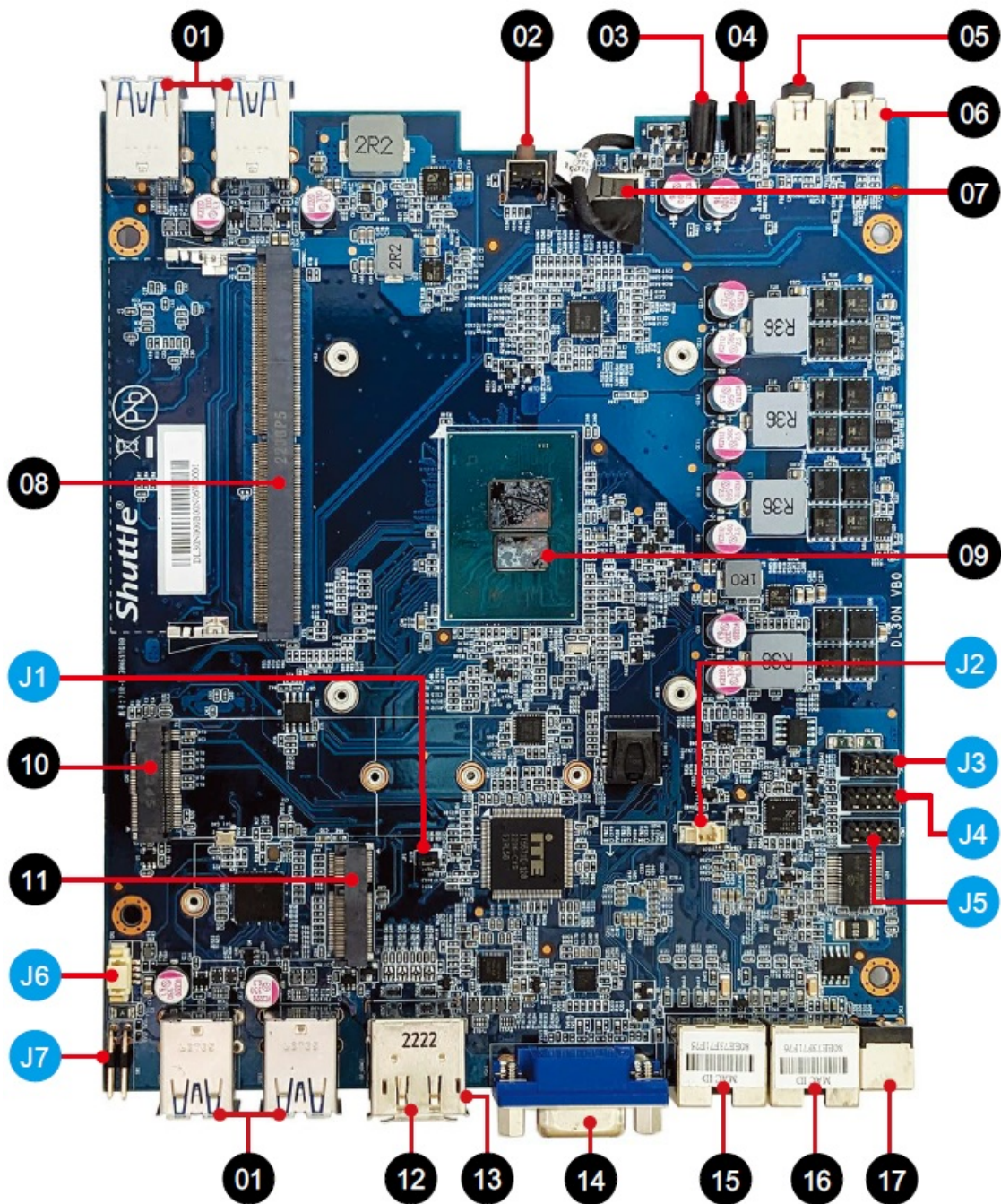
Complete

1. Please replace and affix the case cover with two screws, then connect the power cord.
2. Connecting to power.



Please press the “Del” key while booting to enter BIOS. Here, please load the optimised BIOS settings.

Motherboard Illustration



1. USB 3.2 Gen 1 Ports
2. Power Button
3. Hard Disk Drive LED
4. Power LED
5. Headphones
6. MIC-in
7. SATA Connector
8. DDR5 SO-DIMM Slot
9. Intel® Alder lake-N Series processor
10. M.2 2242/2260/2280 M key slot
11. M.2 2230 E key slot
12. HDMI Port
13. DisplayPort
14. D-Sub (VGA) port

- 15. LAN Port
- 16. LAN Port (optional)
- 17. Power Jack (DC IN)

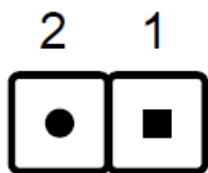
Jumper Settings

AC Back Auto Power ON

JP1	
Pin	Signal Name
1	Disable_N
2	GND

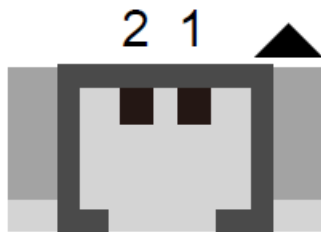


Default
Short (disabled)



Open (enabled)

Battery Connector



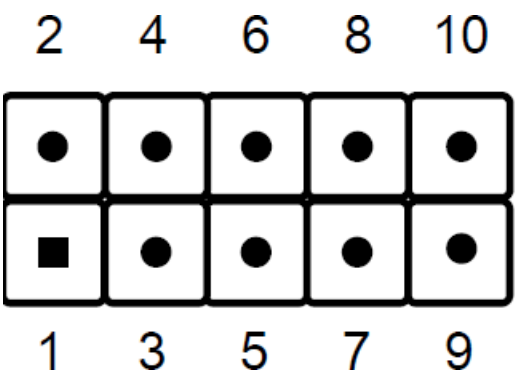
CN4	
Pin	Signal Name
1	V_BAT
2	GND

COM 1 & COM 2 power switch
PWRSWCOM
PORT Pin 9 “Ring Indicator” (RI) configuration:
Configure COM 1 with the first jumper:

- Short Pin 1-2: Pin 9 = RI (default)
- Short Pin 5-7: Pin 9 = +5V
- Short Pin 7-9: Pin 9 = +12V

Configure COM 2 with the second jumper:

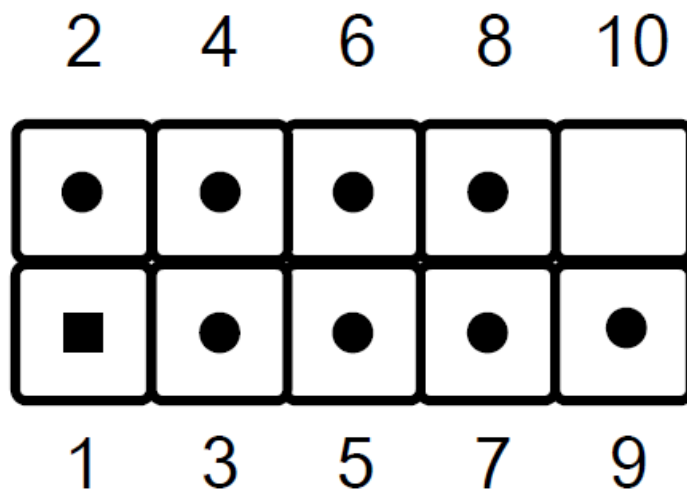
- Short Pin 3-4: Pin 9 = RI (default)
- Short Pin 6-8: Pin 9 = +5V
- Short Pin 8-10: Pin 9 = +12V



JP2			
Pin	Signal Name	Pin	Signal Name
1	RI1-	2	COM_RI1-
3	RI2-	4	COM_RI2-
5	+5V	6	+5V
7	RI1_PWR	8	RI2_PWR
9	+12V	10	+12V

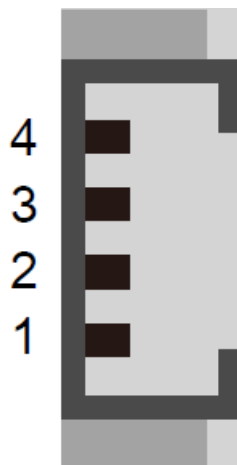
COM Port \ COM
Puerto COM \ COM

COM2 (J5)			
Pin	Signal Name	Pin	Signal Name
1	DCD-	2	RXD
3	TXD	4	DTR-
5	GND	6	DSR-
7	RTS-	8	CTS-
9	RI-		



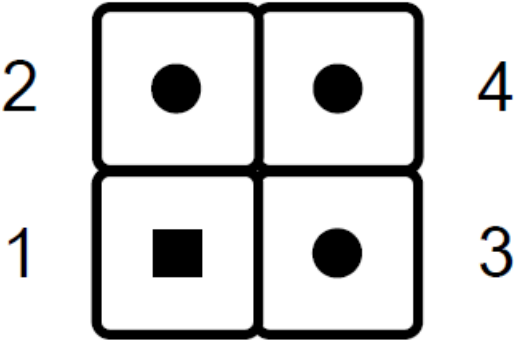
COM1 (J4)							
Pin	Signal Name			Pin	Signal Name		
	RS232	RS422	RS485		RS232	RS422	RS485
1	DCD-	TXD-	DATA-	2	RXD	TXD+	DATA+
3	TXD	RXD+		4	DTR-	RXD-	
5	GND	GND	GND	6	DSR-		
7	RTS-			8	CTS-		
9	RI-						

USB2.0 connector



CN1	
Pin	Signal Name
1	GND
2	USB1P_C
3	USB1N_C
4	USBPW01 (+5V)

Clear CMOS & power button & +5V



SW1	
Pin	Signal Name
1	RTCRST-
2	+5V
3	GND
4	PWRSW-

Documents / Resources

	<p>Shuttle DL30N Series Digital Signage Media Player [pdf] User Guide 53R-DL30N3-2001, DL30N Series Digital Signage Media Player, DL30N Series, Digital Signage Media Player, Digital Media Player, Signage Media Player, Media Player, Player</p>
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References

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[Manuals+.](#) [Privacy Policy](#)

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