



MODEL: YJ7506X

User's Manual

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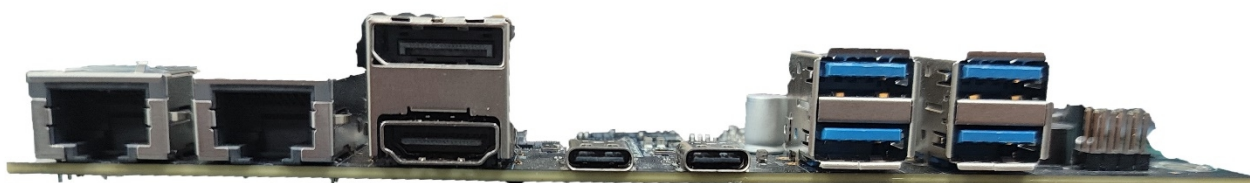
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I. Specification

Model	YJ7506X
CPU	^R Intel® Core Ultra 125H/155H/185H/255H/285H
Memory	Up to LPDDR5/x 8400 MT/s 5, 64GB
Display	1 * HDMI 4096 x 2304 @ 60Hz 1 * DP 4096 x 2304 @ 60Hz 2 * Intel® Thunderbolt™ 4
Storage	2 * M.2 (PCIe4.0×4) 12 * SATA (6Gb/s)
Ethernet	2 * Marvell® 10Gb LAN controller
USB	2 * Thunderbolt™ 4 ports (2 x USB Type-C®) 4 * USB 3.2 Gen 2 10Gbps 1 * USB 2.0
Expansion Slot	3*MINISAS36P(4*SATA3) 1 x PCIe 5.0 x8 slots
I/O Connectors	1 * HDMI 1 * DP 4 * USB3.2 Gen2 10Gbps 2 * Thunderbolt™ 4 ports 2 * Marvell® 10Gb LAN controller
Headers	1 * SYS_FAN 1 * CPU_FAN 1 * FPANEL 1 * CLR_MOS 1 * F_USB1 1 * JDBG1 1 * JP1 1 * JUART1 1*F_BT 1 * ATX_PWR (24 PIN)
System	WIN10 64 Bit WIN11 64Bit Linux
Temperature	Storage: -20~70℃ Operation:0~45℃
BIOS	AMI BIOS
ATX Power	24-pin main power connector
Factor	170mm*170mm
Certification	N/A



III. Definition of Jumpers /Headers and Connectors

1. SYS_FAN (PH=2.54MM)

Graphic	Function	
	1: GND	2: 12V
	3: SENSE	4: Control

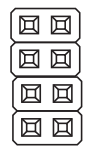
2. CPU_FAN (PH=2.54MM)

Graphic	Function	
	1: GND	2: 12V
	3: SENSE	4: Control

3. CLR_MOS (PH=2.54MM)

Graphic	Setting	Function
	1-2	Normal (Default)
	2-3	Clear CMOS

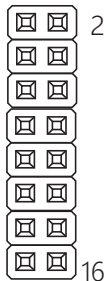
4. JDBG1 (PH=2.54MM)

Graphic	Function	Function
	1: \	2: GND
	3: EC_EDICS	4: EC_EDICLK
	5: EC_EDIDO	6: EC_EDIDI
	7: \	8:

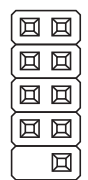
5.JP1 (PH=2.54MM)

Graphic	Function	Function
1  3	1: CLOCK	1: DATE
	3: GND	

6.F_PANEL (PH=2.0MM)

Graphic	Function	
1  2 15  16	1: PWR_SW	2: GND
	3: RST_SW	4: GND
	5: \	6: \
	7: \	8: \
	9: LAN2LED+	10: LAN2LED-
	11: LAN1LED+	12: LAN1LED-
	13: HDD_LED+	14: HDD_LED-
	15: PWRLED	16: GND

7.F_USB1 (PH=2.54MM)

Graphic	Function	
1  2 10	1: +5V	2: +5V
	3: USB1-	4: USB2-
	5: USB1+	6: USB2+
	7: GND	8: GND
		10: GND

8.JUART1 (PH=2.54MM)

Graphic	Setting	Function
1  4	1: 3V	2: \
	3: \	4: GND

9. F_BT (PH=2.54MM)

Graphic	Function	
1  3	1: PWR_SW	2: GND
	3: 3.3V	