

# SKY-7632D QSG

TSE , Sam Chang 09/06<sup>th</sup> , 2022





Version	Date	Handled by	Note
Draft	2022/08/29	Sam168.Chang	Draft
1.0	2022/09/05	Sam168.Chang	DIMM population
1.5	2022/09/06	Sam168.Chang	BIOS update
2.0	2022/09/13	Sam168.Chang	Revised



### Agenda

- □ System Overview
- □ CPU location
- DIMM slot ID & Population
- □ Access the server via Monitor with VGA port
- □ Access the server via Console port
- □ Access the server via WebUI Access





#### **Product Outlook (Full Height)**





#### Storage swap-Insert





#### Storage swap -Remove





#### Server Rear I/O

#### **Rear View**





# **CPU location**



- Multi-socket Intel systems shall be populated with identical CPUs
- Intel<sup>®</sup> Processor Installation Support for Desktops and Servers





### **DIMM Slot ID**





## **DIMM Population**

DIMM Configuration with single CPU									
Channe	I	DIMMA1	DIMMB1	DIMMC1	DIMMD1	DIMME1	DIMMF1	DIMMG1	DIMMH1
		V							
			V						
				V					
					V				
	1					V			
							V		
								V	
									V
		V				v			
		V		V					
		V			v				
			V				V		
Quantity of	2		V		v				
memory installed				V				V	
					v				V
						v		V	
							V		V
		V		v		v		V	
		V			v	v			v
	4		V		v		V		v
			V	v			V	V	
	$\square$	V	V	V		v	V	V	
		V		V	v	v		V	V
	6	V	V		v	V	V		V
		-	V	v	v	-	V	v	V
	8	V	v	v	v	v	v	v	v

DIMM Configuration with dual CPU																	
				CPU0							CPU1						
Channel		DIMMA1	DIMMB1	DIMMC1	DIMMD1	DIMME1	DIMMF1	DIMMG1	DIMMH1	DIMMA1	DIMMB1	DIMMC1	DIMMD1	DIMME1	DIMMF1	DIMMG1	DIMMH1
		v								v							
			v								v						
				v								V					
	2				v								v				
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		V		V						V		V					<u> </u>
		V			V					V			V				
Quantity			V				V				V				V		
of	4		V		V						V		V				
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			v	v	·		v	v			v	v			v	v	·
	$\vdash$	v	v	v		v	v	v		v	v	v		v	v	v	
		v		v	v	v		v	v	v		v	v	v		v	v
	12	v	v		v	v	v		v	v	v		v	v	v		v
			v	v	v		v	v	v		v	v	v		v	v	v
	16	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v



### **3** selections to access platform

There are 3 ways to access platform for OS image installation

- > VGA port for OS in TXT & GUI mode
- Console port for OS in TXT only
- > BMC Web for OS in TXT & GUI mode

Following pages will introduce page by page.

Power on the device

- Prerequisite:
  - ✓ Get AC 100-240V @ 50-60Hz, full range
- Device will boot:
  - ✓ Correct behavior: you can hear FAN rotating in maximum speed for a while then down and also the Power LEDs should light up



### Access the server via Monitor with VGA port

- □ Step#1 Access the device
- Connect D-Sub 9 via VGA cable to Monitor and USB port to keyboard ` mouse and OS image



*Picture depicted the connector of VGA D-Sub 9. VGA output in Front Panel.* 

Picture depicted the GUI for Linux installation on Monitor



# Access the server via Console port [1/2]

#### Terminal settings

- □ Step#2 Access the device
  - $\circ$  Prerequisite:
    - ✓ Console cable and PC + Terminal(like PuTTY)
  - Connect the PC to the server console



Reputity Configuration		×		
PuTTY Configuration Category:  Session Logging Terminal Keyboard Bell Features Window	Options controlling lo Select a serial line Serial line to connect to Configure the serial line Speed (baud)	COM4		
Appearance     Behaviour     Translation     Selection     Colours     Connection     Data	Data <u>b</u> its S <u>t</u> op bits <u>P</u> arity <u>F</u> low control	8 1 None • XON/XOFF •		
Proxy Telnet Rlogin ⊛ SSH Serial				
About	Ope	en <u>C</u> ancel		

#### Terminal Setting:

- Baud rate: 115200
- Data bits : 8
- Stop bits: 1



## Access the server via Console port [2/2]



Picture depicted successfully server access via console if no OS installed



## Access the server via WebUI Access[1/2]

#### □ Step#3 Setup BMC IP Address

Press DEL after boot up to enter BIOS, and select "Server Mgmt" page, then "BMC network configuration".

Aptio Setup Utility – Copyright (C) 2022 American Megatrends, Inc. Main Platform Hardware <mark>Server Mgmt</mark> Post & Boot Security Save & Exit							
<pre>BMC Self Test Status OS Watchdog Timer OS Wtd Timer Timeout OS Wtd Timer Policy BMC Virtual USB Device Boot from BMC Virtual BMC User Settings BMC network configuratio BMC self test log System Event Log</pre>	PASSED [Disabled] [10 minutes] [Reset] [Enabled] [Enabled] n	Configure BMC network parameters					
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## Access the server via WebUI Access [2/2]

After completing the steps above (BMC Web ip configured via either Bios or iptool), open your favorite browser the enter the webui ip as below: <u>https://BMCIP</u>

The default login credentials by default:

- Username: administrator
- Password: advantech





#### Go Together, We Go Far and Grow Big

