

Shuttle®



Edge PC SPCEL02/03

MINI EDGE COMPUTER OPTIMIZED FOR IOT WITH ROBUST PERFORMANCE

Shuttle's IoT Edge PC - SPCEL/02/03 offers cutting-edge, compact computing with a durable metallic design and versatile mounting options. Powered by Intel® Elkhart Lake processors, it features UHD graphics, up to 32GB DDR4 RAM, and exceptional expandability for professional applications such as edge computing (IoT Gateway), automation, data logging, and video surveillance.



DDR4-3200



MINIATURE



DUAL LAN



M.2

PERFORMANCE-DRIVEN PROCESSORS

- SPCEL02: Intel® Celeron® J6412 Processor
- SPCEL03: Intel® Atom® x6413E Processor
- Integrated UHD Graphics

M.2 EXPANSIONS

- SATA SSD storage expansions
- Wi-Fi/4G/LTE optional connections
- Hailo-8 AI accelerator card capable

BUILT TOUGH VALIANT

- Compliant with EN50155 and MIL-STD-810G standards
- Fanless aluminum construction with efficient thermal design
- SPCEL03 supports wide temperature range: -20°C to 60°C

COMPACT VERSATILITY

- 120 x 51 x 75 mm with the industry's smallest PICO-ITX (100 x 72mm) x 86 motherboard
- VESA mount (50 x 50mm), ear mount, and DIN rail

SEAMLESS INTEGRATION, ENDLESS POSSIBILITIES



Self-Checkout



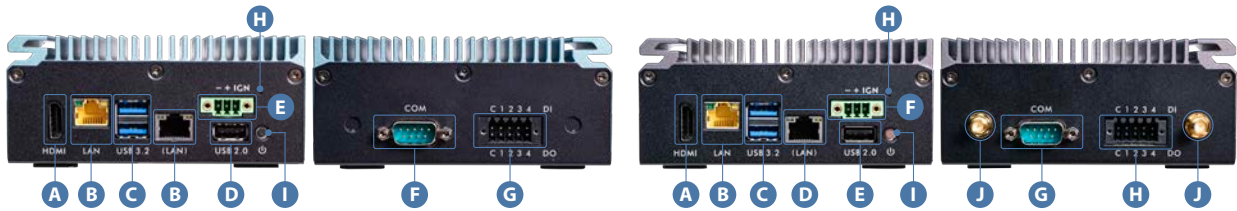
Defect Inspection



AGV in Warehouse



Smart Agriculture



- A** HDMI2.0 Port
- B** 2.5 Giga LAN Port
- C** USB 3.2 Gen2 Type A Port
- D** USB 2.0 Type A Port
- E** 3-Pin Terminal Block
- F** COM Port
- G** DIO Port
- H** LED indicator for power state
- I** Power button
- J** 2 x perforation for external WLAN antenna

SPECIFICATIONS

Model		SPCELO2	SPCELO3
Cooling system		Fanless	
Processor		Intel® Celeron® J6412	Intel® Atom® x6413E
Chipset		Integrated in CPU	
Graphics		Intel® UHD Graphics for 10 th Gen Intel® Processors	
Display Resolution Max.		HDMI 4096x2160@60Hz	
Display Output		1 Display	
Video Decoder		H.265/HEVC, VP9, H.264, VP8, WMV9/VC1, MPEG-2, VC-1, JPEG/MJPEG	
Memory		• 1 x DDR4 up to 3200 MHz, Max. 32GB	• RAM socket x 1
Storage		1 x SATA I/F (2242/2280) With M.2 E-Key WLAN sku , only 2242 can support	
Expansion Slots		M.2 2242/2280/2230	
Video Output	HDMI Port	1 x HDMI2.0	
	DisplayPort	-	
	VGA Port	-	
I/O Port	USB	• 2 x USB 3.2 Gen2	• 1 x USB 2.0
	Serial Ports	• 1 x RS232/422/485 (DB-9)	• 1 x DI/DO
	Audio	-	
	SIM slot	-	
Network	LAN	2 x RJ-45 (Intel® 2.5G Lan)	
	WLAN	<ul style="list-style-type: none"> • External antenna (Dipole) • Intel® WiFi Module (802.11 a/b/g/n/ac) + BT 5.0 • Realtek RTL8821CE (802.11 a/b/g/n/ac) + BT 5.0 (Optional) 	
Mounting		VESA 50 x 50 mm / Ear Mount / Din Rail(Optional)	
Dimension (L/W/H) mm		120 x 75 x 51	
Weight	NW (kg)	0.7	
	GW (kg)	1.2	
Certification		<ul style="list-style-type: none"> • Safety: CB, cTUVus, BSMI, UKCA • EMC: FCC Class A, CE Mark, VCCI, BSMI, RCM, UKCA, EAC 	
Operating Temperature (°C)		0°C ~40°C	-20°C ~60°C
Chassis		Rugged aluminum chassis	
Power Supply	Power Input	DC 12~24V, 3-pin terminal block	
	Bundled Adapter	19V/65W adapter (optional)	
Operating System		Windows 11 IoT Enterprise 64bit O.S / Linux (base on Elkhart Lake Celeron® support OS)	Windows 11 IoT Enterprise 64bit O.S / Linux (base on Elkhart Lake Atom® support OS)