Specification

	S-250AL	N-250	E-250
System			
Processor	12th Generation Intel® Core™ Processors Core i3-1215U /Core i5-1235U / Core i7-1255U (Fanless)	Intel® Processor N97, up to 3.60 GHz (Fanless)	Intel® Celeron® Quad-core Processor J6412 2.0GHz/2.6GHz (Fanless)
Chipset / BIOS	Intel® Alder Lake SoC / AMI UEFI	Intel® Alder Lake-N SoC / AMI UEFI	Intel® Elkhart Lake SoC / AMI
Storage	2.5" SATA III SSD 128GB (SSD 256/512GB, optional)		
Memory	4GB SO-DIMM		
	DDR4 3200MHz x 1 (Max 32GB, optional)	DDR4 3200MHz x 1 (Max 16GB, optional)	DDR4 2666MHz~3200MHz x 1 (Max 32GB, optional)
Graphics	Core™ i3-1215U - Intel® UHD Graphics for 12th Gen Intel® Processors Core™ i5-1235U / Core™ i7-1255U - Intel® Iris® Xe Graphics	Intel® UHD Graphics	Intel® UHD Graphics for 10th Gen Intel® Processors
OS	Windows 10 IoT Enterprise(64bit), Windows 11 IoT Enterprise(64bit)		
Display			
Primary Display Type	15" LED Backlight (1024 x 768 Resolution) *15.6" FHD (16:9) Available		
Touch	PCAP 10 Point Multi-touch		
I/O Interfaces			
Rear Top & Bottom Ports			
USB	2 x USB 2.0 (Rear Top x 2), 4 x USB 3.0(Rear Bottom x 4), 1 x USB 2.0 (RJ11)		
Serial	6 (DB9 x 3, RJ50 x 2, RJ11 x 1) COM1, 3, 5: DB9(+5V on pin #9, selectable by BIOS) COM2, 4 (RJ50, RJ45): Support +5V and 12V(G200 only) for Special Devices and can be used for Kitchen Printer COM6(RJ11): USB 2.0 and RS232 with +5V/1A for Card Reader		
Audio	1 x Audio-out / 3.5mm		
Extend Displays	1 x DisplayPort (included 1 x USB 2.0 / Power Delivery +12V) *Can be used for HDMI and Standard DVI, VGA monitor by passive cable.		
LAN	1 x RJ45 (Base-T 10/100/1000 Ethernet)		
Speaker	1 x 3W		
Peripheral Options			
Secondary Display DisplayPort	• LCD Type: 9.7" or 15" LCD (USB Port x 1) • Touch Monitor: 9.7" or 15" LCD with Capacitive Touch (USB Port x 1) - by single cable(no power & USB cable) • Standard Monitor: supported standard DP, HDMI, DVI, VGA monitor by change monitor cable) • Standard and Powered DP MST Hub: supported standard or powered(customized) DP MST Hub.		
Customer Display (CDP)	FSTN LCD Type (20 columns x 2 lines)		
Card Reader (MSR / SCR)	Smart Card Reader: ISO/IEC7816 EMV Level 1 / Magnetic Stripe Reader: ISO 7811 ID-1 All tracks *Interface: USB(HID) and RS232C(COM6)		
Dallas Reader	Dallas Reader(i-button): 6 characters / prefix and suffix *Interface: USB(HID) and RS232C(COM6)		
Physical Dimension			
Dimension (W x D x H)	362 x 237 x 357 (mm) / 14.2 x 9.3 x 14.0 (inch)		
Weight	4.5 kg / 9.9 lb		
Box Dimension			
Dimension (W x D x H)	430 x 290 x 430 (mm) / 16.9 x 11.4 x 16.9 (inch)		
Weight	6.3 kg / 13.8 lb		
Environment			
Power Supply	DC 12V/7A (AC 100V~240V, 84W)	DC 12V/5A (AC 100V~240V, 60W)	
Temperature	Operating Temp: 0 ~ 40℃ / Storage Temp : -20~60℃ / Humidity: 20% to 90%		
Certifications	CE, FCC, KC		

*Specifications are subject to change without prior notice. *The weight of the box varies depending on the components and the main board. (includes box weight)



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