VK3200

Intel® Broadwell™ U fanless arm mounting IPCs

Gallery

Technical data

The fanless Arm Mounting IPC family VK3200 is based on the fifth generation Core i3, i5, i7 and Celeron of the Intel® Broadwell™ U platform. They are made of a Full IP65 cast aluminium chassis, powder coated with anti-scratch treatment compatible with the most used installation standards. The front button area is available in Hard-Wired or Fieldbus (EtherCAT Slave) versions and it is totally configurable. It allows to install light indicators, buttons, lever switches, keylock switches, encoders, an emergency stop button and USB, Ethernet or RFID interfaces (described in the "Configurations and Options" section). The "all in one" motherboard provides two USB 3.0 ports with rear external protected access and, inside the chassis, three Ethernet 10/100/1000Mbps ports, that support "Jumbo Frame" and "Wake on Lan" functionalities, two USB 2.0 port, a SATA III CFast slot, an mSATA connector for SATA III SSD and up to 8 GB RAM with one DDR3 SODIMM module. The VK3200 family is available with 16 million colours LED Backlight TFT LCDs from 15.6" to 24", in Wide aspect ratio, with aluminium True flat front panels and 5 wires resistive touchscreen or with aluminium and glass TrueFlat Multitouch front panels and projected capacitive touchscreen. VK3200 systems have an isolated 24 VDC power supply input.

⊕ Highlights

→ UBIQUITY remote assistance software providing remote access to the system
→ Full IP65 chassis
→ Button area with up to 15 Ø22 elements, Hard-Wired or Fieldbus versions (EtherCAT Slave)
→ "All in one" motherboard
→ Intel® Broadwell™ U platform
→ Fanless arm mounting IPC with 0°C÷50°C operating temperature
→ 15.6", 18.5", 21.5" and 24" LCDs in Wide aspect ratio
→ Isolated 24 VDC power supply input
→ CE, ULus LISTED (61010) certifications

	VK3200-TF	VK3200-TFM
LED backlight TFT LCD	15.6" W - 1366x768 15.6" W - 1920x1080 18.5" W - 1366x768 18.5" W - 1920x1080 21.5" W- 1920x1080	15.6" W - 1366x768 15.6" W - 1920x1080 18.5" W - 1366x768 18.5" W - 1920x1080 21.5" W- 1920x1080 24" W - 1920x1080
TOUCHSCREEN	Resistive 5 wires	P-CAP Multitouch
FRONT PANEL	True Flat Aluminum	
PROTECTION GRADE	Full IP65	
PROCESSOR	Intel® Celeron 3765U 1,9Ghz, 2 cores - 2 threads - 2MB smart cache - 15W Intel® Core™ i3-5010U 2,1Ghz, 2 cores - 4 threads - 3MB smart cache - 15W Intel® Core™ i5-5350U 1,8Ghz (2,9GHz Turbo), 2 cores - 4 threads - 3MB smart cache - 15W Intel® Core™ i7-5650U 2,2Ghz (3,1GHz Turbo), 2 cores - 4 threads - 4MB smart cache - 15W	
CHIPSET	Intel® Broadwell PCH-LP (Platform Controller Hub - Low Power) • Included into processor chip	
VIDEO CONTROLLER	Intel® HD Graphics integrated in microprocessor Celeron 3765U, 850MHz Clock Intel® HD Graphics 5500 integrated in microprocessor i3, 900MHz Clock Intel® HD Graphics 6000 integrated in microprocessor i5, i7, 1GHz Clock with LVDS 8bit/color digital interface	
SYSTEM MEMORY - RAM	2GB or 4GB or 8GB or 16GB (1 x SODIMM DDR3 module)	
MASS STORAGE	1 bootable CFast SATA III slot onboard with internal access 1 x onboard connector for direct insertion of mSATA SSD SATA III	
LAN	3 x LAN 10/100/1000Mbps (2 x Intel® I210-AT, 1 x Intel® I218-LM)	
USB	2 x USB 3.0, external, rear, protected, IP65 (Type-A) 2 x USB 2.0, internal (Type-A)	
ADD-ON INTERFACES Position A (max 1)	1 x RS232/422/485 (DB15M)	
	1 x RS232/422/485 (DB15M) isolated	
Position B (max 1)	1 x NETcore X fieldbus boards for EtherNet IP, PROFINET, PROFIBUS, CANopen protocols	
	1 x Wireless/Bluetooth adapter	
CASE Installation	For VESA 75/100 or for pole / suspension arm mounting system compatible with RITTAL CP40/ROLEC TARAPLUS/ HASEKE ULT KUPPLUNG 48	
Material	Aluminium alloy EN AB46400	
Colour	Anti-scratchable painted - RAL 9006	
Accessories	Side handles, perimetral handle, keyboard holder kit	
BUTTONS AREA (optional)	See "Configurations & Options" section at the end of this brochure	
POWER SUPPLY INPUT	24VDC (18÷32VDC) isolated	
	Kit for ATX mode power supply (optional, on button area)	
O.S. CERTIFIED	Microsoft Windows 7 Pro/Ultimate 32/64bit Microsoft Windows Embedded Standard 7E/7P 32/64 bit Microsoft Windows 10 IoT Enterprise 2016/2019 64 bit	
OPERATING TEMPERATURE	0°C÷50°C	
APPROVALS	CE, ULus (61010)	

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UBIQUITY INSIDE

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