

COM Express Compact, Type 6 Intel Kaby Lake KBL-U

PD10KC



All Solid Capacitor



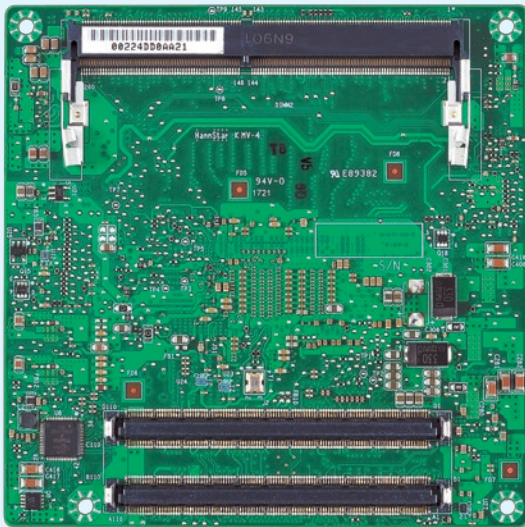
Intel KBL-U



Com ExpressType 6



3 Independent Displays



Features

Intel Kaby Lake KBL-U Core i7 / i5 / i3 / Celeron processor

Intel HD graphics and DirectX 12 support

Dual Channels DDR4 2133 SO-DIMM up to 32GB memory

Standard Com Express Compact Type 6 connectivity

Features Intel® i219 high speed Intel Gigabit Ethernet connection with AMT 11.6 support

TPM support by optional

Multiple display support (LVDS / eDP / DP / HDMI / VGA)

Also an available carrier board (CAC601) for the development

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Sales Contact

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Item	Spec	SKU-D# DP	SKU-V# VGA
Form factor	COM Express Compact, Type 6 (95 x 95mm)		
Processor	Intel Kaby Lake-U i3-7100U with integrated graphics (Compatible with 3965U / i5-7300U / i7-7600U)		
System Memory	<ul style="list-style-type: none"> Support for DDR4 2133 MHz SO-DIMMs 		
	<ul style="list-style-type: none"> Support for up to 32GB of system memory 260-pin DDR4 SO-DIMM 	2	2
Graphic	<ul style="list-style-type: none"> Integrated Graphic Engine 		
	<ul style="list-style-type: none"> DDI 1/2: Support Display Port / HDMI / DVI (DP: up to 4096 x 2304 @ 60 Hz) 	1	
	<ul style="list-style-type: none"> DDI 2 (BOM Option): Switch to VGA (up to 1920 x 1200 @ 60 Hz) 		1
	<ul style="list-style-type: none"> LVDS: Single / Dual channel 18/24-bit LVDS (up to 1920 x 1200 @ 60 Hz) 	1	1
LVDS transmitter	Chrontel 7511B		
Audio	High definition audio interface		
EC	IT8519		
TPM	NPCT650AAAWX		
LAN	Intel® i219-LM GbE LAN Controller with AMT 11.6 support		
Solid Capacitor	All Solid Capacitor		
	<ul style="list-style-type: none"> PCI Express GEN 3.0 lanes 	7	7
I/O Support	<ul style="list-style-type: none"> Serial ATA® Gen 3 (can be configured as RAID) 	3	3
	<ul style="list-style-type: none"> USB 3.0 (XHCI) 	4	4
	<ul style="list-style-type: none"> USB 2.0 (XHCI) 	8	8
	<ul style="list-style-type: none"> Com Express Type 6 Connector LPC bus (no DMA) I²C bus (fast mode, 400 kHz, multi-master) 		
	<ul style="list-style-type: none"> CE FCC 		
Environment	<ul style="list-style-type: none"> Operating Temperature: 0°C to +60°C Storage Temperature: -20°C to +70°C 		
OS Support	Windows 10 (64bit), Linux (by request)		
Thermal Solution	Heatspread (Default) Heatspread + Heatsink (Optional)		
Carrier Board	CAC601: COM Express Type 6 Development Board (Optional)		

Model Number	Processor	HS Configuration	Model Number	Processor	HS Configuration
PD10KC-3965U-HSD	Celeron 3965U	MB + Heatspreader	PD10KC-3955U-HSD	Celeron 3955U	MB + Heatspreader
PD10KC-7100U-HSD	i3-7100U	MB + Heatspreader	PD10KC-6100U-HSD	i3-6100U	MB + Heatspreader
PD10KC-7300U-HSD	i5-7300U	MB + Heatspreader	PD10KC-6300U-HSD	i5-6300U	MB + Heatspreader
PD10KC-7600U-HSD	i7-7600U	MB + Heatspreader	PD10KC-6600U-HSD	i7-6600U	MB + Heatspreader

Packing List

- PD10KC Mainboard
- Heatspreader
- Thermal Module QIG
- Screw Pack
- Driver CD