

## Shuttle P90U5 Intel® Core™ i5 i5-7200U 49.5 cm (19.5") 1600 x 900 Pixeles Pantalla táctil Negro

**Marca :** Shuttle

**Código del producto:** PAB-P90U511

**Nombre del producto :** P90U5

Intel Core i5 7200U, 19.5" LCD Touch, 2x SO-DIMM DDR4-2133 max.32GB, 1 x 2.5" SATA HDD/SSD, Gigabit LAN, WLAN, Bluetooth, 65W

Shuttle P90U5. Diagonal de la pantalla: 49.5 cm (19.5"), Resolución de la pantalla: 1600 x 900 Pixeles, Pantalla táctil. Familia de procesador: Intel® Core™ i5, Frecuencia del procesador: 2.5 GHz. Modelo de gráficos en tarjeta: Intel® HD Graphics 620. Color del producto: Negro



Display		Processor special features	
Display diagonal *	49.5 cm (19.5")	Intel® My WiFi Technology (Intel® MWT)	✓
Display resolution *	1600 x 900 pixels	Intel® Identity Protection Technology (Intel® IPT)	✓
Touchscreen *	✓	Intel® Small Business Advantage (Intel® SBA)	✓
Processor		Intel® Wireless Display (Intel® WiDi)	✓
Processor manufacturer *	Intel	Enhanced Intel SpeedStep Technology	✓
Processor family *	Intel® Core™ i5	Intel® Quick Sync Video Technology	✓
Processor generation	7th gen Intel® Core™ i5	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor model *	i5-7200U	Intel Clear Video Technology	✓
Processor cores	2	Intel® Insider™	✓
Processor threads	4	Intel® InTru™ 3D Technology	✓
Processor boost frequency	3.1 GHz	Intel Flex Memory Access	✓
Processor frequency *	2.5 GHz	Intel® AES New Instructions (Intel® AES-NI)	✓
Thermal Design Power (TDP)	15 W	Intel Trusted Execution Technology	✗
Configurable TDP-up frequency	2.7 GHz	Intel Enhanced Halt State	✓
Configurable TDP-up	25 W	Intel VT-x with Extended Page Tables (EPT)	✓
Configurable TDP-down frequency	0.8 GHz	Intel® Secure Key	✓
Configurable TDP-down	7.5 W	Intel TSX-NI	✗
PCI Express slots version	3.0	Intel Stable Image Platform Program (SIPP)	✗
Processor socket	BGA 1356	Intel® OS Guard	✓
Processor lithography	14 nm	Intel Software Guard Extensions (Intel SGX)	✓
Bus type	OPI	Intel 64	✓
Processor codename	Kaby Lake	Execute Disable Bit	✓
PCI Express configurations	1x2+2x1, 1x4, 2x2, 4x1		
Conflict-Free processor	✓		
Memory			
Maximum internal memory *	32 GB		
Memory slots type	SO-DIMM		
Supported memory clock speeds	2133 MHz		
Storage			
Number of storage drives supported 1			

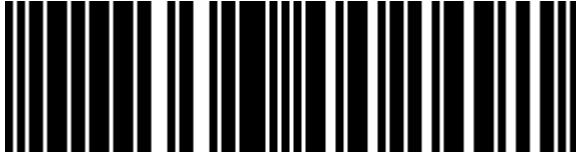
Storage		Processor special features	
SSD form factor	2.5"	Idle States	✓
Card reader integrated	✓	Thermal Monitoring Technologies	✓
Compatible memory cards	SD, SDHC, SDXC	CPU configuration (max)	1
Graphics		Embedded options available	✗
On-board graphics card *	✓	Graphics & IMC lithography	14 nm
On-board graphics card model *	Intel® HD Graphics 620	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Audio		Intel Identity Protection Technology version	1.00
Audio chip	Realtek ALC269	Intel Smart Response Technology version	1.00
Network		Intel Stable Image Platform Program (SIPP) version	0.00
Wi-Fi *	✓	Intel Secure Key Technology version	1.00
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)	Intel Virtualization Technology (VT-x)	✓
Ethernet LAN *	✓	Intel TSX-NI version	0.00
Bluetooth *	✓	Power	
Bluetooth version	4.1	AC adapter output voltage	19 V
Ports & interfaces		Weight & dimensions	
Ethernet LAN (RJ-45) ports	1	Package weight	5.62 kg
USB 2.0 ports quantity *	4	Operational conditions	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Operating temperature (T-T)	0 - 40 °C
HDMI ports quantity *	1	Operating relative humidity (H-H)	10 - 90%
HDMI version	1.4b	Certificates	
VGA (D-Sub) ports quantity	1	Certification	CE, RED, FCC, RCM, VCCI
Headphone outputs	1	Sustainability	
Microphone in	✓	Sustainability certificates	ENERGY STAR
DC-in jack	✓	Packaging content	
Design		AC adapter included	✓
Product colour *	Black	Quick start guide	✓
Cable lock slot	✓	Drivers included	✓
Cable lock slot type	Kensington	Power cord included	✓
VESA mounting	✓	Logistics data	
Country of origin	China	Harmonized System (HS) code	84713000
Performance		Other features	
Motherboard chipset	Intel SoC	Graphics card family	Intel
Software		AC adapter output current	3.42 A
Operating system installed *	✗	Storage drive interface	Serial ATA III
Processor special features		Power supply	65 W
Intel® Smart Response Technology	✓	Power supply type	External AC adapter
Intel® Turbo Boost Technology	2.0	Safety	CB, ETL
Intel® Hyper Threading Technology (Intel® HT Technology)	✓		



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