

SPECIFICAȚII TEHNICE (F4.1)

Numărul licitației: MTender ID ocds-b3wdp1-MD-1614345977580							04.04.2021
Denumirea licitației: Tehnică de calcul și mijloace periferice							
Codul CPV	Denumirea bunurilor și/sau a serviciilor	Modelul articolului	Țara de origine	Producătorul	Specificarea tehnică deplină solicitată	Specificarea tehnică deplină propusă de către ofertant	Standarde de referință

LOTUL #1: Notebook-uri

1							Notebook-uri	
30200000-1	Notebook-uri	CTO configuration	CN	HP	Conform Specificatii tehnice	<u>HP ProBook 455 G7 Notebook PC / 3S068AV</u> Type: Business Notebook Processor: AMD Ryzen™ 3 PRO 4450U (2.5 GHz base clock, up to 3.7 GHz max boost clock, 6MB cache, 4 Cores, 8 Threads), Official Launch Date 07/05/2020 Memory: 8GB DDR4-3200 (1x16GB) Memory; 2x SODIMM slots Storage: HP 256GB M.2 2280 NVMe PCIe Value SSD; HP 1TB 2.5" SATA Expansion Slot: SD Card Reader (Supports SD, SDHC, SDXC) Network controller: Integrated Realtek RTL8111EP 10/100/1000 GbE NIC, Intel® Dual Band Wi-Fi® 6 AX200 802.11ax (2x2) and Bluetooth® 5 Combo Display: 15.6" diagonal FHD IPS eDP anti-glare LED-backlit slim, 250 cd/m ² Graphics: AMD Radeon™ Graphics, GPU frequency 1400 MHz Multimedia: Integrated Dual Array microphone, 2x Integrated stereo speakers (2W), HD Camera w/ Privacy Shutter Ports: USB Type-C® 10Gbps (Power delivery, DisplayPort™), 2x USB Type-A 5Gbps, USB Type-A 480Mbps (powered port), HDMI 1.4, RJ-45, stereo headphone/microphone combo jack Input devices: HP Premium Keyboard (Eng/Rus), spill resistant with numeric keypad; Clickpad with multi-touch gesture support Power Supply: HP Smart 45 W External AC power adapter Battery: HP Long Life 3-cell, 45 Wh Li-ion polymer; Battery Life up to 14 hours (BAPCo MM14) Weight: Starting at 2.0 kg OS: Micorsoft Windows 10 Pro 64-bit pre-installed Warranty: 3 Years NBD on-site official manufacturer warranty / UK703AV		Eco-Label Certifications: IT ECO declaration; ENERGY STAR® RoHS; EPEAT Gold; WEEE; ISO 14001

LOTUL #2: Desktop PC cu două monitoare

1							
Desktop PC cu două monitoare							
30200000-1	Desktop PC cu două monitoare	CTO configuration	CZ	HP	Conform Specificatii tehnice	<u>HP ProDesk 405 G6 DM Business PC / 3J458AV</u> Type: Desktop-Mini Processor: AMD® Ryzen™ 3 PRO 4350GE (35W, 4 Cores, 8 threads, 3.5 GHz base frequency, up to 4.0 GHz max., 6MB cache); Launch Date - 21/07/2020 Chipset: AMD® PRO 565 Memory: 16GB (1x16GB) DDR4 3200 SODIMM; 2x SODIMM slots; up to 64GB of memory Storage: 512GB M.2 2280 PCIe NVMe Value SSD; 2TB SATA HDD 2,5" Slots: 1x M.2 PCIe x1 2230 (for WLAN); 1x M.2 PCIe x4 2280 (for storage) Network controller: Realtek RTL8111FPH-CG Gigabit Network Connection; Intel® Wi-Fi 6 AX200 802.11ax 2x2 with Bluetooth® 5.1 M.2 Combo Card Graphics: Integrated Radeon™ Graphics (6 Cores, 1700MHz) Ports: 2x Type-A SuperSpeed USB 5Gbps; 4x Type-A SuperSpeed USB 10Gbps; Type-C® SuperSpeed USB 10Gbps; Type-C® SuperSpeed USB 10Gbps with Power Delivery up to 100W; DisplayPort™ 1.4; HDMI 1.4; Combo Audio Jack with CTIA and OMTP headset support; RJ45 Multimedia: HD Stereo Codec - Realtek ALC3205; Internal Speaker Amplifier - 2W; Internal Speaker	Eco-Label Certifications: IT ECO declaration; ENERGY STAR® RoHS; EPEAT Gold; WEEE; ISO 14001

		1Y4D0AA				Accessories: HP Quick Release 2; Dual Monitor Desk Stand (Suitable for 2x 13–32" monitors; Freestanding mounting type; Weight capacity up to 8 kg max. per each monitor; Tilt -45°/+45°, swivel -90°/+90°, front panel rotatable 360°, VESA compatibility 75x75 / 100x100, Freely adjustable height, Cable management) Security: TPM 2.0 (FW: 7.85) endpoint security controller; Intrusion Sensor (integrated in the system board, can be enabled/disabled through BIOS); Support for chassis cable lock devices; USB enable/disable (via BIOS); Removable media write/boot control; Power-on and Setup password (via BIOS); HP Client Security Suite Gen6; HP Power On Authentication; HP Privacy Settings; HP Secure Erase; Absolute Persistence Module; Pre-boot Authentication; HP Sure Sense3; HP Sure Click3; HP Sure Start Gen6; HP Sure Run Gen3; HP Sure Recover Gen3 Manageability Features: HP Driver Packs; HP System Software Manager (SSM) (download); HP BIOS Config Utility (BCU) (download); HP Client Catalog (download); HP Image Assistant Gen (download); HP Manageability Integration Kit for Microsoft System Center Configuration Management Gen4; Ivanti Management Suite (download); HP Cloud Recovery; HP Client Management Script Library (download) External Power supply: 65W EPS, active PFC, 88% average efficiency OS: Microsoft Windows 10 Pro 64-bit Input devices: HP 235 Wireless Mouse and Keyboard (Eng/Rus, Factory engraved, quiet typing) Combo Monitor: 2x HP E27q G4 QHD Monitor (27" diagonal, 3-sided micro-edge, IPS, Brightness 250 nits, VVA/HVA 178°, Contrast ratio 1000:1, 99% sRGB, Response Ratio 5ms GtG, Native resolution QHD (2560x1440); Hardness 3H, Flicker-free, On-screen controls; Low blue light mode; Anti-glare, VGA; DisplayPort™ 1.4, HDMI 1.4, 4x USB-A 3.2 Gen 1, Security lock-ready, Swivel ±45°, Tilt -5 to +23°, Pivot ±90, Height adjustment range 150 mm, VESA mounting 100x100 mm, DisplayPort™ 1.2 cable, HDMI cable, USB Type-A to B cables included) Warranty: 3 Years NBD on-site official manufacturer warranty	
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LOTUL #3: Calculatoare model All in One

1						Calculatoare model All in One	Eco-Label Certifications: IT ECO declaration; ENERGY STAR®; RoHS; EPEAT Gold; WEEE; ISO 14001
30200000-1	Calculatoare model All in One	CTO configuration	CZ	HP	Conform Specificatii tehnice	<u>HP ProOne 400 G6 24 All-in-One PC / 9AV48AV</u> Platform: All-in-One Business PC Processor: Intel® Core™ i5 10500T (2.3 GHz, 12 MB cache, 6 cores, 35W TDP); Supports Intel® vPro™ Technology; Launch Date - Q2/2020 Chipset: Intel® Q470 Memory: 8GB (1x8GB) DDR4 2666 SODIMM; 2x SODIMM slots; up to 64GB of memory Storage: 256GB M.2 2280 PCIe NVMe Value SSD; 1TB SATA 2.5"; SD 3.0 with 4-in-1 Interface Slots: 1x M.2 PCIe x1 2230 (for WLAN); 2x M.2 PCIe x4 2280 Combo (for storage) Network controller: Intel® I219-LM Gigabit Network Connection Graphics: UHD Graphics 630 Display: 23.8" diagonal, IPS WLED Backlit LCD, 1920x1080@60Hz Native resolution, NTSC 72%, Contrast 1000:1, Brightness 250 nits Ports: 4x Type-A SuperSpeed USB 5Gbps; Type-A SuperSpeed USB 10Gbps; Type-C® SuperSpeed USB 10Gbps; Dual-Mode DisplayPort™ 1.4; HDMI 1.4 in; HDMI 2.0 out; Combo Audio Jack with CTIA and OMTP headset support; RJ45 Multimedia: HD Stereo Codec Realtek ALC3274; 5W per channel class D stereo amplifier for the internal speakers only; 2x 2W Stereo speakers; integrated Pop-up 5 MP Full HD RGB webcam & microphone; maximum resolution of 2624 x 1976 Stand: Height - Vertical/Landscape Adjustment 0 - 130mm; Tilt Angle -5° to +18°; Rotation (Swivel) 90° Security: TPM 2.0 (FW: 7.85) endpoint security controller; Intrusion Sensor (integrated in the PCA, can be enabled/disabled through BIOS); Support for chassis cable lock devices; USB enable/disable (via BIOS); Removable media write/boot control; Power-on and Setup password (via BIOS); HP Client Security Suite Gen6; HP Power On Authentication; HP Privacy Settings; HP Secure Erase; Absolute Persistence Module; Pre-boot Authentication; HP Sure Sense3; HP Sure Click3; HP Sure Start Gen6; HP Sure Run Gen3; HP Sure Recover Gen3 Manageability Features: HP Driver Packs; HP System Software Manager (SSM) (download); HP BIOS Config Utility (BCU) (download); HP Client Catalog (download); HP Image Assistant Gen (download); HP Manageability Integration Kit for Microsoft System Center Configuration Management Gen4; Ivanti Management Suite (download); HP Cloud Recovery; HP Client Management Script Library (download) OS: Microsoft Windows 10 Pro 64-bit (pre-installed) Input devices: HP USB 320K Keyboard (Eng/Rus, Factory engraved, quiet typing) and HP USB 320M Optical Mouse (quiet click) Warranty: 3 Years NBD on-site official manufacturer warranty / U6578AV	

LOTUL #5: Imprimante Varianta 2

1						Imprimante Varianta 2	
30200000-1	Imprimante Varianta 2	T3U55A	JP	HP	Conform Specificatii tehnice	<u>HP Color LaserJet Enterprise MFP M776dn</u> Type: Print, copy, scan	

						Print technology: Laser Monthly duty cycle: 200 000 pages A4 Print speed: Black (A4, normal) up to 46 ppm; Colour (A4, normal): up to 46 ppm Print resolution: 1200x1200 dpi; HP ImageREt 4800 Technology; Pantone Calibrated Standard print languages: HP PCL 6, HP PCL 5, HP postscript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™, Google Cloud Print Printer smart software features: Print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, easy-access USB, HP EasyColor Printer management / HP SureSupply: HP Device Toolbox; HP JetAdvantage Security Manager; HP Printer Assistant; HP SNMP Proxy Agent; HP Web JetAdmin Software; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver: Driver Configuration Utility, Driver Deployment Utility, Managed Printing Administrator Duplex printing: Automatic Copy speed: Black (A4) up to 46 cpm; Colour (A4) up to 46 cpm Copy resolution: Color (text and graphics) 600 x 600 dpi Copier specifications: Two-sided copying, scalability, image adjustments (darkness, contrast, background cleanup, sharpness), N-up, N or Z-ordering, content orientation, collation, booklet, job build, edge-to-edge, job storage, ID Copy, Book Copy, A-to-B Copy (different media sizes); Maximum number of copies: Up to 9999 copies; Reduce/Enlarge: 25 to 400% Scan type / Technology Type: Flatbed, ADF / CCD Flatbed; CIS ADF Scan speed: Normal (A4) up to 90 ppm; Duplex (A4) up to 180 ipm Scan file format: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A Scanner specifications: Front panel applications (Copy; E-mail; Save to Network Folder; Save to USB; Save to Device Memory; Save to SharePoint; Open Extensibility Platform (OXF) applications; HP Scan or user application via TWAIN; Twain version 2.1; Duplex ADF scanning; Scan size maximum (flatbed) 297 x 432 mm; Optical scan resolution up to 600 dpi Scanner advanced features: Optimize text/picture; Image adjustments; Job build; Output quality setting; Selectable scan resolution 75 to 600 dpi; Auto detect colour; Edge Erase; Job notification; Blank page suppression; HP Quick Sets Bit depth/ Grey scale levels: 24-bit; Internal: 48-bit / 256 Digital sending standard: Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to SharePoint; Send to FTP; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF; Optional via HP Digital Sending Software (HP DSS); Send to folder; Send-to-workflow; Sendto-printer; Authentication; Digital fax (send to LAN, Internet); OCR; via HP Embedded Capture; Metadata capture and validation; Data transfer; Scan workflow management Processor speed: 1.2 GHz Memory: 3.0 GB; possibility upgrade up to 5 GB; 500 GB High-Performance SED Hard Disk (AES 256 hardware encryption) Media handling: 100 sheet multi-purpose input tray; 2x 550 sheet paper input tray; 500 sheet output tray; ADF 200 sheets Media weight: 60 to 300 g/m² input Paper trays; 45 to 200 g/m² ADF Security management: Management security: SNMPv3, Web Services over port 7627, SSL/TLS TLS 1.0/1.1/1.2, FIPS 140-2, Certificate Management, Embedded Web Server, WPA2-Enterprise, 802.1X authentication (EAP- PEAP, EAP-TLS), IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in Connectivity: Hi-Speed Device USB 2.0; 2x Hi-Speed USB 2.0 rear host ports; walkup USB 2.0 host port; Gigabit/Fast Ethernet 10/100/1000 Base-TX network port; Hardware Integration Pocket 2nd generation (HIP2) Supplies: supported the following cartridges - HP 659A/X series with up to ~34,000 ISO yield for black and up to ~29,00 ISO yield for yellow/magenta/cyan Warranty: 2 Years NBD on-site official manufacturer warranty / UC2Y1PE	Eco-Label Certifications: IT ECO declaration; ENERGY STAR®; RoHS; EPEAT Gold; WEEE; ISO 14001
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LOTUL #6: Imprimante Varianta 3

1						Imprimante Varianta 3	
30200000-1	Imprimante Varianta 3	3PZ55A	CN	HP	Conform Specificatii tehnice	<u>HP LaserJet Enterprise MFP M430f</u>	
						Type: Print, copy, scan, fax Print technology: Laser Monthly duty cycle: 100 000 pages A4 Print speed: Simplex (A4) up to 40 ppm (HP High Speed mode); Duplex (A4) up to 31 ipm Print resolution: 1200x1200 dpi; HP FastRes 1200 & HP ProRes 1200 Standard print languages: HP PCL 6, HP PCL 5, HP PostScript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™	

					Print margins: 2 mm for all sides Printer smart software features: Print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, easy-access USB Printer management: HP Printer Assistant, HP Web JetAdmin Software, HP JetAdvantage Security Manager, HP SNMP Proxy Agent (Part of HP WebJetAdmin), HP WS Pro Proxy Agent, Printer Administrator Resource Kit for HP Universal Print Driver (Driver Configuration Utility - Driver Deployment Utility - Managed Printing Administrator) Duplex printing: Automatic Copy speed: Black (A4) up to 38 cpm Copy resolution: 600x600 dpi Copier specifications: Auto scale; reduce/enlarge from scanner glass (25 to 400 percent) or ADF (25 to 200 percent); collate; auto colour detection; two-sided copying; image adjustments (darkness, background cleanup, sharpness); job build Scan type / Technology Type: Flatbed, ADF / CIS Scan speed: 29 ppm/46 ipm (b&w), 20 ppm/35 ipm (color) Scan file format: MTIFF, PDF, PDF/A, TIFF, XPS, JPEG Scanner advanced features: Optimise text/picture; Image adjustments; Job build; Output quality setting; Selectable scan resolution 75 to 600 dpi; Auto detect colour; Edge Erase; Job notification; Blank page suppression; HP Quick Sets; HP EveryPage; Auto orientation; Embedded Optical Character Recognition (OCR); Auto crop to page; Auto-tone; single pass duplexing ADF scanning Bit depth/ Grey scale levels: 24-bit; Internal: 48-bit / 256 Digital sending standard: Scan to Email; Save-to-Network Folder; Save-to-USB Drive; Send to FTP; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Colour Sense; Auto Crop to Content; Compact PDF; Authentication; Digital Fax (Send to LAN, Internet); HP Digital Sending Software (optional); Local Address Book; OCR Faxing: Fax speed up to 33.6 kbps; stored faxes; fax archiving; fax forwarding; scale to fit; fax address book; LAN/Internet fax; fax number confirmation; holiday fax schedule; fax resolution up to 300x300 dpi Processor speed: 800 MHz Memory: 2.0 GB; 16 GB eMMC Media handling: 100 sheet multi-purpose input tray; 250 sheet paper input tray; 150 sheet output tray; ADF 50 sheets; support additional 550- sheet input tray Media weight: 60 to 200 g/m² input Paper trays; 60 to 160 g/m² ADF Security management: Identity management (Kerberos authentication, LDAP authentication, 1000 user PIN codes, Optional HP and 3rd party advanced authentication solutions (e.g., badge readers); Network (IPsec/firewall with Certificate, Pre-shared Key, Kerberos authentication, Supports WJA-10 IPsec configuration Plug-in, 802.1X authentication (EAPPEAP; EAP-TLS), SNMPv3, HTTPS, Certificates, Access Control List; Data: Storage Encryption, Encrypted PDF & Email (uses FIPS 140 validated cryptographic libraries from Microsoft), SSL/TLS (HTTPS), Encrypted Credentials; Device (HP Sure Start Secure Boot (BIOS Integrity Checking with self-healing capability), Intrusion Detection (Constant in-device monitoring for attacks), Whitelisting (loads only known good code), Embedded Trusted Platform Module, HP Connection Inspector, Security lock slot, USB port disablement; Security management: Compatible with HP JetAdvantage Security Manager, Device Security Syslog Messages processed and accessible in Arcsight and Solunk SIEMs Connectivity: 2x Hi-Speed USB 2.0 Host, Hi-Speed USB 2.0 Device, Gigabit Ethernet 10/100/1000T network, Fax Supplies: supported the following cartridges - HP 59A/X series with up to ~3,000 ISO yield for standard and up to ~10,000 ISO yield for extended type cartridges Warranty: 3 Years NBD on-site standard official manufacturer warranty	Eco-Label Certifications: IT ECO declaration; ENERGY STAR®; RoHS; EPEAT Gold; WEEE; ISO 14001
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Semnăt:



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