

Annex #1 – Technical Specifications

Product	Technical Specification	Quantity
Monitor	Display size 23.8 inch, resolution 1920x1080; for 24/7 usage, Aspect ratio 16:9, Brightness 250cd/m2; Contrast – typical 1000:1, Contrast – advanced: 20,000,000:1; Viewing angle : 178/178; Response time: 5ms, Interface: 1xHDMI, 1xDVI, 1xVGA 2xUSB; Integrated speakers: 2 x 2.0 W. Kensington lock, Stand 4-in-1 Stand; Height adjust range: 150 mm, Rotation to portrait: 90°, Swivel angle: 340°, Tilt angle -5° / +35°, MTBF: 70,000 h. Display Mounting Interface VESA MIS-D 100 C, Manufacturer Warranty 3 year.	8
Notebook-1	Notebook: screen size 12” inch, Screen Resolution: 2304 x 1440, IPS technology, 226 PPI, CPU: 1.2GHz, Turbo Boost up to 2.7GHz), 4MB L3 cache; Memory: 8GB of 1866MHz LPDDR3 onboard memory, Storage: 512GB PCIe-based onboard flash storage, Graphics: integrate, Wireless IEEE 802.11a/b/g/n, Bluetooth 4.0, Stereo speakers, Dual microphones, Battery: Up to 10 hours wireless web, OS: macOS Sierra, USB 3.1 Gen 1, Native DisplayPort 1.2 video output, Weight: max 1kg. Manufacturer Warranty 1 year.	4
A3 ALL IN ONE	Machine type: Color Laser Multifunctional; functions: Print, Copy, Scan, Send; Processor Speed: Dual Processor (Shared) 1.75 Ghz; Control Panel: (10.1 inch) TFT LCD WSVGA Colour Touch panel; Memory: 3.0GB RAM, Hard Disk drive: 250GB; Interface Connection: Standard: 1000Base-T/100Base-TX/10Base-T, Wireless LAN (IEEE 802.11 b/g/n); USB 2.0 (Host) x1, USB 3.0 (Host) x1, USB 2.0 (Device) x1; Paper input: 2 x 550-sheet cassettes (80gsm), 100-sheet multi-purpose tray (80gsm); Paper output capacity: 250 sheets (A4, 80gsm); Supported media sizes: Cassette 1 - Standard size: A4, B5, A5R, Envelopes: No.10 (COM10), ISO-C5, DL, Cassette 2: A3, B4, A4, A4R, B5, A5R; Plain Pedestal. Supported media weights: 52 to 220 gsm, Multi-purpose tray 52 to 300 gsm; Warm-up Time: From Power On: 34 Seconds or Less, From Sleep Mode: 10 Seconds or Less; Print Specifications: Print Speed (BW/CL) - 20 ppm (A4), 15 ppm (A3); Print Resolution: 600dpi×600dpi, 1200dpi×1200dpi; Double Sided Printing: Automatic (Standard); Direct Print: from USB memory key, Supported file types: TIFF, JPEG, PDF, EPS, and XPS; Copy Specifications: Copy Speed - 20 ppm (A4), 15 ppm (A3); First-Copy-Out Time: Approx. 5.9/8.2 seconds or less, Copy resolution: 600 dpi x 600 dpi; Multiple Copies: 999 copies; Scan Specifications: Standard type: Reader, DADF; Scan Resolution: 600 x 600 dpi; Acceptable Originals: Platen: A3, B4, A4, A4R, B5, B5R, A5, A5R, B6R, DADF: A3, B4, A4, A4R, B5, B5R, A5, A5R, B6R; Scan Speed (BW/CL; A4: Single-sided Scanning (BW&Colour): 80 ipm (300pi) / 51 ipm (600 dpi), Double-sided Scanning (BW&Colour): 160 ipm (300pi) / 51 ipm (600 dpi); Paper Capacity: DADF	2

	150 Sheets (80 gsm); Double sided scanning: 2-sided to 2-sided (Automatic); Send Specifications: Destination: E-mail/Internet FAX (SMTP), SMB, FTP, WebDAV, Mail Box; Send resolution: 600 x 600 dpi; Communication protocol: TP, SMB v3.0, WebDAV, File Format: TIFF, JPEG, PDF(Compact, Searchable), XPS(Compact, Searchable), Office Open XML (PowerPoint, Word); Toner Cartridges resource: BK: 36,000 pages, C/M/Y: 19,000 pages. Manufacturer Warranty 1 year.	
Mini Projector	Projection, Lens Type: Manual Focus, Lens Aperture: F/1.8, Lamp Type: LED, Normal Mode Lamp Life: 20000 Hour, Economy Mode Lamp Life: 30000 Hour, Native Resolution: 854 x 480, Maximum Resolution: 1280 x 800; Brightness: 200 lm, Aspect Ratio: 16:9, Compatible Aspect Ratio: 4:3; Contrast: 1,000:1; Speakers: 2x2 W; Interfaces: HDMI, USB, Audio Line In; Battery Capacity: 3980 mAh; Weight: 302 g. Manufacturer Warranty 1 year.	2
Notebook-2	Mobile workstation, Display size: 15.6-inch, LED Backlight, Type: IPS, Resolution: 1,920 x 1,080 pixel, Anti-glare; Contrast: 700:1, Brightness: 300 cd/m ² ; Processor: 2.8GHz, Turbo Mode: 3.7GHz, 4 core, 8 threads, cash 8MB, lithography: 14nm; RAM: 16GB (2x8GB) DDR4 ECC, 4 Memory slot(s) max capacity 64 GB; Hard disk: 1st HDD 1TB 5400rpm, 2nd M.2 SSD PCIe 256GB; Video card: Cuda core 512, GDDR5, 128bit, Memory Bandwidth 80GB/sec, Mosaic Technology support; Interface: 1 x USB 2.0, 2 x USB 3.1, 1 x VGA, 1 x DisplayPort, 1 x Ethernet (RJ-45), 1 x Audio: line-out, 1 x Audio: line-in / microphone, RJ-45, Dual Band 802.11ac, Bluetooth 4.1, DVD-RW; integrated: Stereo speaker, Web camera 2Mpix, Microphone, Fingerprint, TPM Module 2.0; Battery capacity 6700mAh, optional (2nd battery). Manufacturer Warranty 3 year.	3
Workstation	Workstation, Processor: 3.5GHz, Turbo Mode: 3.9GHz, 4 core, 8 threads, cash 8MB, lithography: 14nm; RAM: 8GB DDR4 2,400 MHz, 4 memory slot, Supported capacity RAM 64GB, Dual channel support; Hard Disc: 1st SSD PCIe 256GB NVMe, 2nd HDD 1TB 7200rpm; Video card: Cuda Core 384, 2GB, Memory Bandwidth 64 GB/s, Connectors: 4x mDP 1.4, Resolution: 5120x2880, Mosaic Technology support; Interfaces: 1 x Audio: line-in 1 x Audio: line-out 2 x USB 2.0 total, 2x USB 3.0 x USB front, 2x USB 2.0 + 1x USB A 3.0 x USB internal, 6x USB 3.0 x USB rear, 2 x DisplayPort, 1 x Ethernet (RJ-45), 1 (DVI-D) x DVI, 2 x Mouse / Keyboard (PS/2); I/O controller on board: Serial ATA total 5, thereof SATA III 5, Controller functions: Serial ATA III (6 Gbit), NCQ, AHCI, RAID 0/1/5/10; LAN: 10/100/1,000 MBit/s; power supply: 280 W; Security: TPM 2.0, Control of all USB interfaces, Warranty: 3 years.	7
Notebook-3	Notebook, Display size: 15.6-inch, LED Backlight, Type: IPS, Resolution: 1,920 x 1,080 pixel, contrast: 700:1, Brightness: 250 cd/m ² ; Processor: 2.5GHz, Turbo Mode: 3.1GHz, 2 Core, 4 Threads, cash 3MB, Lithography: 14nm; RAM: 4GB, 2 Memory slot(s), max memory 32GB; Hard Disk: SSD 256GB; Video card: Integrated; DVD-RW, Stereo Speaker, TPM 2.0; Bluetooth V4.0, Wi-Fi 802.11 b/g/n; Interfaces: 1 x Audio: line-in / microphone, 1 x Audio: line-out / headphone, 1 x VGA, 1 x DisplayPort, 1 x Ethernet (RJ-	10

	45), 1 x Docking connector, 1 x x Memory card slots, 3 x USB 3.1 Gen1 (USB 3.0); Runtime battery: up to 12 h.	
Tablet	Tablet: Display - 10.1" QHD 2560 x 1600, 299 ppi, 10-point Multitouch, Processor: 4 core, 1,44 GHz, Burst Frequency: 2.24 GHz, cashe: 2 MB; Memory: 2GB LPDDR3 1600 MHz, ROM: 32GB eMMC; I/O : Micro USB, 3.5 mm Audio Jack, Card Slot : microSD Card Slot Expandable Up to 128 GB; Camera: Rear : 13 MP Auto Focus, Front : 5 MP Fixed Focus; Integrated Rotatable Projector; Wi-Fi a/b/g/n, Bluetooth 4.0, 4G-LTE; Sensors: G-sensor / Vibrator / Ambient Light Sensor / E-compass; Securit: splashproof IP21; Battery: 10200 mAh, Fast Charge Support; Weight: 700g.	10

Supplier confirms compliance with above specifications:

NAME OF SUPPLIER_____

Authorized Signature _____

Place:

Date: