

| BID SUMMARY SPREADSHEET | | | NAME OF BIDDER: | |
|--|---|--|--|--|
| ITB-21-017-DP Student Laptops | | | UDIT (HP OPTION 1) | |
| Provide a detailed description of the proposed solution below. The device must meet or exceed M-SCPS Minimum Specifications. | | | UDIT HP OPTION 2 | |
| M-SCPS Minimum Specifications - Laptops | | | Manufacturer/Model | Price |
| Description of Proposed Solution | | | Manufacturer/Model | Price |
| Form Factor | Convertible notebook (manufacturers Dell, HP, Lenovo) that allows the device to switch between laptop, tablet, and tent forms. Touchscreen remains attached to the device at all times. | Convertible | HP Fortis x360 G9 (Dual Camera SMP) | \$485.45 |
| | Convertible | Convertible | HP Probook x360 G7 (Dual Camera SMP) | \$491.20 |
| Keyboard | Multi-language keyboard support. Attached keyboard is not required and full sized keyboard with touch pad. Attached full-size keyboard that must be able to flip around out of the way in tablet mode. | meets / exceeds requirement Full-size island style, split and pink resistant keyboard. Chiclet with multi-touch gesture support. | meets / exceeds requirement Full-size island style, split and pink resistant keyboard. Chiclet with multi-touch gesture support. | meets / exceeds requirement Full-size island style, split and pink resistant keyboard. Chiclet with multi-touch gesture support. |
| | meets / exceeds requirement Full-size island style, split and pink resistant keyboard. Chiclet with multi-touch gesture support. | meets / exceeds requirement Full-size island style, split and pink resistant keyboard. Chiclet with multi-touch gesture support. | meets / exceeds requirement Full-size island style, split and pink resistant keyboard. Chiclet with multi-touch gesture support. | meets / exceeds requirement Full-size island style, split and pink resistant keyboard. Chiclet with multi-touch gesture support. |
| Processor | Intel® Pentium® N6000 Quad Core Processor (8M Cache, 3.1 GHz with Turbo up to 3.3 GHz) | meets / exceeds requirement HP i5-1135G5 Intel® Pentium® Silver N6000 (up to 3.3 GHz burst frequency, 4 MB L3 cache, 4 cores) | meets / exceeds requirement HP i5-1135G5 Intel® Pentium® Silver N6000 (up to 3.3 GHz burst frequency, 4 MB L3 cache, 4 cores) | meets / exceeds requirement HP i5-1135G5 Intel® Pentium® Silver N6000 (up to 3.3 GHz burst frequency, 4 MB L3 cache, 4 cores) |
| | meets / exceeds requirement Intel® Pentium® N6000 Quad Core Processor (8M Cache, 3.1 GHz with Turbo up to 3.3 GHz) | meets / exceeds requirement HP i5-1135G5 Intel® Pentium® Silver N6000 (up to 3.3 GHz burst frequency, 4 MB L3 cache, 4 cores) | meets / exceeds requirement HP i5-1135G5 Intel® Pentium® Silver N6000 (up to 3.3 GHz burst frequency, 4 MB L3 cache, 4 cores) | meets / exceeds requirement HP i5-1135G5 Intel® Pentium® Silver N6000 (up to 3.3 GHz burst frequency, 4 MB L3 cache, 4 cores) |
| Memory | 8GB DDR RAM | meets / exceeds requirement 8GB LPDDR4X-3203 SDRAM memory | meets / exceeds requirement 8GB LPDDR4X-3203 SDRAM memory | meets / exceeds requirement 8GB LPDDR4X-3203 SDRAM memory |
| | meets / exceeds requirement 8GB LPDDR4X-3203 SDRAM memory | meets / exceeds requirement 8GB LPDDR4X-3203 SDRAM memory | meets / exceeds requirement 8GB LPDDR4X-3203 SDRAM memory | meets / exceeds requirement 8GB LPDDR4X-3203 SDRAM memory |
| Graphics | Intel® UHD Graphics | meets / exceeds requirement Intel® UHD Graphics | meets / exceeds requirement Intel® UHD Graphics | meets / exceeds requirement Intel® UHD Graphics |
| | meets / exceeds requirement Intel® UHD Graphics | meets / exceeds requirement Intel® UHD Graphics | meets / exceeds requirement Intel® UHD Graphics | meets / exceeds requirement Intel® UHD Graphics |
| Storage | 128GB SSD (M.2 not accepted) | meets / exceeds requirement 128GB PCIe NVMe Value Solid State Drive | meets / exceeds requirement 128GB PCIe NVMe Value Solid State Drive | meets / exceeds requirement 128GB PCIe NVMe Value Solid State Drive |
| | meets / exceeds requirement 128GB SSD (M.2 not accepted) | meets / exceeds requirement 128GB PCIe NVMe Value Solid State Drive | meets / exceeds requirement 128GB PCIe NVMe Value Solid State Drive | meets / exceeds requirement 128GB PCIe NVMe Value Solid State Drive |
| Weight | 3.5 lbs or less | meets / exceeds requirement 3.24lb | meets / exceeds requirement 3.16lb | meets / exceeds requirement 3.16lb |
| | meets / exceeds requirement 3.5 lbs or less | meets / exceeds requirement 3.24lb | meets / exceeds requirement 3.16lb | meets / exceeds requirement 3.16lb |
| WiFi | IEEE 802.11ax Dual-band 2x2 "high efficiency" (Wi-Fi 6E) standard and must meet the Institute of Electrical and Electronics Engineers (IEEE) 802.11ax standard for implementing WLAN communications | meets / exceeds requirement Intel Wi-Fi 6 AX201 or 2x2 MU-MIMO Wi-Fi 6E (802.11ax) standard for implementing WLAN communications | meets / exceeds requirement Intel Wi-Fi 6 AX201 or 2x2 MU-MIMO Wi-Fi 6E (802.11ax) standard for implementing WLAN communications | meets / exceeds requirement Intel Wi-Fi 6 AX201 or 2x2 MU-MIMO Wi-Fi 6E (802.11ax) standard for implementing WLAN communications |
| | meets / exceeds requirement IEEE 802.11ax Dual-band 2x2 "high efficiency" (Wi-Fi 6E) standard and must meet the Institute of Electrical and Electronics Engineers (IEEE) 802.11ax standard for implementing WLAN communications | meets / exceeds requirement Intel Wi-Fi 6 AX201 or 2x2 MU-MIMO Wi-Fi 6E (802.11ax) standard for implementing WLAN communications | meets / exceeds requirement Intel Wi-Fi 6 AX201 or 2x2 MU-MIMO Wi-Fi 6E (802.11ax) standard for implementing WLAN communications | meets / exceeds requirement Intel Wi-Fi 6 AX201 or 2x2 MU-MIMO Wi-Fi 6E (802.11ax) standard for implementing WLAN communications |
| Video Monitoring | Video monitoring must be supported | meets / exceeds requirement | meets / exceeds requirement | meets / exceeds requirement |
| | meets / exceeds requirement Video monitoring must be supported | meets / exceeds requirement | meets / exceeds requirement | meets / exceeds requirement |
| Bluetooth | MU-MIMO Bluetooth 5.0 or newer | meets / exceeds requirement Bluetooth 5.0 with 2 Antennas | meets / exceeds requirement Bluetooth 5.0 with 2 Antennas | meets / exceeds requirement Bluetooth 5.0 |
| | meets / exceeds requirement MU-MIMO Bluetooth 5.0 or newer | meets / exceeds requirement Bluetooth 5.0 with 2 Antennas | meets / exceeds requirement Bluetooth 5.0 with 2 Antennas | meets / exceeds requirement Bluetooth 5.0 |
| Operating System (OS) | Windows 10 Education/Device, must be Windows 11 upgradeable. | meets / exceeds requirement | meets / exceeds requirement | meets / exceeds requirement |
| | meets / exceeds requirement Windows 10 Education/Device, must be Windows 11 upgradeable. | meets / exceeds requirement | meets / exceeds requirement | meets / exceeds requirement |
| Energy Star | ENERGY STAR certified, EPEAT Gold registered | meets / exceeds requirement | meets / exceeds requirement | meets / exceeds requirement |
| | meets / exceeds requirement ENERGY STAR certified, EPEAT Gold registered | meets / exceeds requirement | meets / exceeds requirement | meets / exceeds requirement |
| Webcam | 3.0 MP front-facing camera capable of recording/creating images and video at 720p or better | meets / exceeds requirement Dual Camera SMP built-in user-facing 720p HD webcam with microphone - second camera available | meets / exceeds requirement Dual Camera SMP built-in user-facing 720p HD webcam with microphone - second camera available | meets / exceeds requirement Dual Camera SMP built-in user-facing 720p HD webcam with microphone - second camera available |
| | meets / exceeds requirement 3.0 MP front-facing camera capable of recording/creating images and video at 720p or better | meets / exceeds requirement Dual Camera SMP built-in user-facing 720p HD webcam with microphone - second camera available | meets / exceeds requirement Dual Camera SMP built-in user-facing 720p HD webcam with microphone - second camera available | meets / exceeds requirement Dual Camera SMP built-in user-facing 720p HD webcam with microphone - second camera available |
| Rechargeable Battery | 8-hour battery capacity that will allow the device to be used throughout a standard school day with the wireless antenna activated without being recharged | meets / exceeds requirement Long Life 42Whr Fast Charge 3-cell Battery | meets / exceeds requirement Long Life 42Whr Fast Charge 3-cell Battery | meets / exceeds requirement Long Life 42Whr Fast Charge 3-cell Battery |
| | meets / exceeds requirement 8-hour battery capacity that will allow the device to be used throughout a standard school day with the wireless antenna activated without being recharged | meets / exceeds requirement Long Life 42Whr Fast Charge 3-cell Battery | meets / exceeds requirement Long Life 42Whr Fast Charge 3-cell Battery | meets / exceeds requirement Long Life 42Whr Fast Charge 3-cell Battery |
| Display | 11.6-inch diagonal multi-touch capacitive touch display capable of operating with the attached keyboard - 1080 x 1920 minimum resolution or better. Corning® Gorilla® Glass 3 | meets / exceeds requirement 11.6 inch 8K (1368x768) LED DVA 250 w/DC Touchscreen with LCD Panel | meets / exceeds requirement 11.6 inch 8K (1368x768) LED DVA 250 w/DC Touchscreen with LCD Panel | meets / exceeds requirement 11.6 inch 8K (1368x768) LED DVA 250 w/DC Touchscreen with LCD Panel |
| | meets / exceeds requirement 11.6-inch diagonal multi-touch capacitive touch display capable of operating with the attached keyboard - 1080 x 1920 minimum resolution or better. Corning® Gorilla® Glass 3 | meets / exceeds requirement 11.6 inch 8K (1368x768) LED DVA 250 w/DC Touchscreen with LCD Panel | meets / exceeds requirement 11.6 inch 8K (1368x768) LED DVA 250 w/DC Touchscreen with LCD Panel | meets / exceeds requirement 11.6 inch 8K (1368x768) LED DVA 250 w/DC Touchscreen with LCD Panel |
| Speaker | Built-in stereo speaker (2x) | meets / exceeds requirement 2x 2W speakers, dual array microphones | meets / exceeds requirement 2x 2W speakers, dual array microphones | meets / exceeds requirement 2x 2W speakers, dual array microphones |
| | meets / exceeds requirement Built-in stereo speaker (2x) | meets / exceeds requirement 2x 2W speakers, dual array microphones | meets / exceeds requirement 2x 2W speakers, dual array microphones | meets / exceeds requirement 2x 2W speakers, dual array microphones |
| Ports | At minimum, the device must include the following: • 2 USB 3.0 • 1 HDMI • 1 3.5-mm stereo headphone • 1 USB-C (if a USB-C port is used to power the device, a second USB-C port must be available) | meets / exceeds requirement 2 SuperSpeed USB Type-A 5Gbps signaling rate, 1 SuperSpeed USB Type-C 5Gbps signaling rate (USB Power Delivery, Alt-mode DisplayPort™ 1.2), 1 RJ-45, 1 headphonemicrophone combo, 1 HDMI 1.4b, 1 AC power | meets / exceeds requirement 2 SuperSpeed USB Type-A 5Gbps signaling rate, 1 SuperSpeed USB Type-C 5Gbps signaling rate (USB Power Delivery, Alt-mode DisplayPort™ 1.2), 1 RJ-45, 1 headphonemicrophone combo, 1 HDMI 1.4b, 1 AC power | meets / exceeds requirement 2 SuperSpeed USB Type-A 5Gbps signaling rate, 1 SuperSpeed USB Type-C 5Gbps signaling rate (USB Power Delivery, Alt-mode DisplayPort™ 1.2), 1 RJ-45, 1 headphonemicrophone combo, 1 HDMI 1.4b, 1 AC power |
| | meets / exceeds requirement At minimum, the device must include the following: • 2 USB 3.0 • 1 HDMI • 1 3.5-mm stereo headphone • 1 USB-C (if a USB-C port is used to power the device, a second USB-C port must be available) | meets / exceeds requirement 2 SuperSpeed USB Type-A 5Gbps signaling rate, 1 SuperSpeed USB Type-C 5Gbps signaling rate (USB Power Delivery, Alt-mode DisplayPort™ 1.2), 1 RJ-45, 1 headphonemicrophone combo, 1 HDMI 1.4b, 1 AC power | meets / exceeds requirement 2 SuperSpeed USB Type-A 5Gbps signaling rate, 1 SuperSpeed USB Type-C 5Gbps signaling rate (USB Power Delivery, Alt-mode DisplayPort™ 1.2), 1 RJ-45, 1 headphonemicrophone combo, 1 HDMI 1.4b, 1 AC power | meets / exceeds requirement 2 SuperSpeed USB Type-A 5Gbps signaling rate, 1 SuperSpeed USB Type-C 5Gbps signaling rate (USB Power Delivery, Alt-mode DisplayPort™ 1.2), 1 RJ-45, 1 headphonemicrophone combo, 1 HDMI 1.4b, 1 AC power |
| Microphone | Built-in microphone | meets / exceeds requirement | meets / exceeds requirement | meets / exceeds requirement |
| | meets / exceeds requirement Built-in microphone | meets / exceeds requirement | meets / exceeds requirement | meets / exceeds requirement |
| Warranty | 3-Year Device Warranty/3-Year Battery Warranty | meets / exceeds requirement | meets / exceeds requirement | meets / exceeds requirement |
| | meets / exceeds requirement 3-Year Device Warranty/3-Year Battery Warranty | meets / exceeds requirement | meets / exceeds requirement | meets / exceeds requirement |
| Power Adapter | AC power adapter and appropriate interface/power cable (minimum 5' length) | meets / exceeds requirement | meets / exceeds requirement | meets / exceeds requirement |
| | meets / exceeds requirement AC power adapter and appropriate interface/power cable (minimum 5' length) | meets / exceeds requirement | meets / exceeds requirement | meets / exceeds requirement |

| | | ARCHANGEL | ARCHANGEL | ARCHANGEL | ARCHANGEL | EvolveIt | Arrey Jones Doll | Arrey Jones Lenovo |
|--|------------------|-----------|-----------|-----------|-----------|----------|------------------|--------------------|
| | Full Replacement | \$1472.40 | \$1481.41 | \$654.40 | \$637.00 | \$88.92 | \$ 889.70 | \$ 430.00 |
| | Screen | \$536.81 | \$536.81 | \$228.00 | \$402.00 | \$21.12 | \$ 214.88 | \$ 25.00 |
| | Bezel Enclosure | \$121.14 | \$121.14 | \$121.14 | \$121.14 | \$6.00 | \$ 73.64 | \$ 86.19 |
| | Edge | \$536.81 | \$524.01 | \$524.01 | \$100.00 | \$7.30 | \$ 71.33 | \$ 76.09 |
| | Keycap | \$121.14 | \$121.14 | \$67.50 | \$67.50 | \$1.50 | \$ 12.40 | \$ 12.40 |
| | Keyboard | \$158.03 | \$158.03 | \$158.03 | \$318.00 | \$7.0 | \$ 95.69 | \$ 111.32 |
| | Battery | \$147.30 | \$147.30 | \$147.30 | \$109.00 | \$10.29 | \$ 133.49 | \$ 105.82 |
| | Power adapter | \$55.00 | \$55.00 | \$55.00 | \$57.00 | \$1.3 | \$ 22.51 | \$ 25.00 |
| | Accessories | \$0.75 | \$0.75 | \$0.75 | \$2.00 | \$1.0 | \$ 1.00 | \$ 1.00 |
| | Shipping | \$7.00 | \$7.00 | \$7.00 | \$3.00 | \$0.00 | \$ 5.00 | \$ 5.00 |

| UDT | | | | UDT-HP OPTION 1 | | UDT-HP OPTION 2 | | UDT HP OPTION 3 | | UDT HP OPTION 3 | | ARCHANGEL | | EVOLVTEC | | AREY JONES DELL | | AREY JONES Lenovo | |
|---|----------------------------------|--------------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|----------------------------------|--------------------|-----------|-------------------------|--------------------|-------|-------------------------|--------------------|-------------------|--|
| M-CPPI Minimum Specifications - Lockers | Description of Proposed Solution | Manufacturer/Model | Price | Manufacturer | Price | Manufacturer | Price | Manufacturer | Price | Description of Proposed Solution | Manufacturer/Model | Price | Description of Proposed | Manufacturer/Model | Price | Description of Proposed | Manufacturer/Model | Price | |

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