

TECHNICAL SPECIFICATIONS:

OFFICE PRODUCTIVITY			
ITEM	QTY	UNIT COST	TOTAL
CORPORATE NOTEBOOK PC	180	₱50,000.00	₱9,000,000.00
MOBILE DEVICE 2 IN 1 TABLET	60	₱30,000.00	₱1,800,000.00
INTERACTIVE MONITOR	1	₱100,000.00	₱100,000.00
LED TELEVISION 75" COMMERCIAL UHD TV WITH ADJUSTABLE STEEL TV CART	2	₱200,000.00	₱400,000.00
FILE STORAGE	6	₱36,000.00	₱216,000.00
MULTIMEDIA PROJECTOR WITH MOUNTING KIT	6	₱45,000.00	₱270,000.00
SCANNER (AUTO DOCUMENT FEEDER)	6	₱25,000.00	₱150,000.00
SOLID STATE HARD DRIVE 500GB 2.5" SATA	21	₱10,500.00	₱220,500.00
BARCODE PRINTER	23	₱20,000.00	₱460,000.00
BARCODE SCANNER	6	₱8,000.00	₱48,000.00
HIGH RES SCANNER (75PPM)	2	₱350,000.00	₱700,000.00
VOIP PHONE WITH POWER ADAPTOR	93	₱8,000.00	₱744,000.00
GRAND TOTAL			₱14,108,500

ICT EQUIPMENT		QTY
Corporate Notebook PC		180 Units
Classification	True Branded Notebook PC	
Certification	Must belong in the top 3 of the Leaders Group of Gartner's Magic Quadrant for Global Enterprise Notebook and Desktop (Must provide certificate)	
Processor	8th Generation Intel Core i5 Processor i5-8250U (3.40 GHz Max. Turbo Frequency)	
Cache Memory	6 MB SmartCache	
Chipset	Intel SoC (System on Chip) platform	
Memory	8G (1X8GBDDR4 2400) On Board	
Max Memory	up to 20 GB of DDR4-2400Mhz, dual channel capable	
Graphics	AMD Radeon R17M-M1-70 GDDR5 2G supports three independent displays; Max resolution: 3840x2160@30Hz (HDMI); 1920x1200@60Hz (VGA)	
HDD	1TB 7MM 5400RPM	
Support HDD	Must Support Dual HDD (SSD + Traditional HDD)	
Display	14.0" (355mm) FHD TN (1920x1080) Anti-Glare, LED backlight, 220 nits, 16:9 aspect ration	
Connectivity	Integrated 10/100/1000 MBps Lan Controller; Wireless 802.11 ac 1x1 and Bluetooth 4.1	

Ports	Two USB 3.0 (one with optional Always On), one USB 3.1 Type-C Gen 1, one optional USB 3.1 Type-C Gen 1 (with the function of DisplayPort and PowerDelivery), one optional USB 2.0 in Ultra-bay, VGA, HDMI, Ethernet (RJ-45)
Audio Support	HD Audio, Stereo speakers with Dolby® Audio™, 2W x 2
Keyboard	6-row, spill-resistant, multimedia Fn keys
Touchpad	One-piece touchpad, multi-touch
Security	Security chip Fingerprint reader Power-on password, hard disk password, supervisor password, security keyhole
Security Chip	Firmware TPM 2.0, integrated in chipset
Fingerprint	Touch-type fingerprint reader
Multimedia Options	Integrated Stereo Speakers, at least 0.3MP fixed focus, physical camera shutter
Operating System	Windows 10 Pro Standard Preinstalled (Must provide certificate from the manufacturer that the OS installed is Genuine OS)
Features	Sleek and robust design
Color	Iron Gray
Battery	2-cell 30Wh + 2-cell 39Wh Li-Polymer
Adapter	BLACK 65W 3-PIN
Carrying Case	Standard Carrying Case
Dimensions	WxDxH: 13.5" x 9.72" x 0.79"; 343mm x 247mm x 20.3mm
Maximum Weight	Must be 1.85 kg / 4.07 lb
Other	Must include branded MiniSaver™ lock Must include an Optical Travel Mouse
Warranty	Must be 3 years warranty on parts and labor
Environment	EPEAT Silver; ENERGY STAR® 6.1; RoHS-compliant
ICT EQUIPMENT	
QTY	
2 in 1 Tablet	60 Units
Classification	Must be 2 in 1 Tablet
	Must be 10.1" IPS FHD display
Dimension	Width (mm / inches) 256.6 / 10.1"
	Thickness (mm / inches) 9.6 / 0.38"
	Height (mm / inches) 170.8 / 6.72"
Weight	690 g (1.52 lbs)
Operating System	Android™ 6.0.1 Marshmallow (upgradable)
Processor	Intel® Atom™ x5-Z8550 Processor (2M Cache, Quad-Core, Up to 2.4 GHz)
Sound	Dolby Atmos
Memory	RAM (4 GB LPDDR3)
	ROM (64 GB)
	Card Slot (microSD™; Supports Up to 128 GB)
Battery	Type : Li-ion Polymer
	Capacity : 8500 mAh
	Standby Time : Over 70 Days
	General Usage : 15 Hours
Display	Size : 10.1" FHD IPS (1920 x 1200)
	Color Depth : 16.7 Million
	Color Gamut : 70%

	Brightness : 400 nits
	Touch :
	On Screen : Capacitive Touch with AnyPen Technology
	Create Pad : Capacitive Touch and EMR Pen Technology
	Material : Magnesium Aluminum Alloy
Colors	Gunmetal Grey
Connectivity	WLAN : WiFi 802.11 a/b/g/n/ac; Dual Channel (2.4 GHz and 5 GHz)
Camera	Rear : 8 MP Auto-Focus
	Front : 2 MP Fixed-Focus
Keyboard	Halo Keyboard
Sensors	Vibrator
	G-Sensor
	E-Compass
	Ambient Light Sensor Hall
	Sensor
	GPS
	A-GPS
Software	Note Saver
	Collection
	SHAREit
	SYNCit
	Google Docs
	Google Sheets
	Google Slides
	McAfee® Security
	Evernote®
	ArtRage TouchPal
	IME
Includes	Charger
	USB Cable
	Warranty Card
	Quick Start Guide
	Real Pen
	Ink Cartridge Refills (3x)
	Book Pad
	Book Sleeve
Warranty	Must be 1 year on parts and labor (on site)
ICT EQUIPMENT	
QTY	
Interactive Monitor	1 Unit
Screen Size	43" 10 Point Multi Touch Display with Slim Bezel 27.0mm width
	Must be IR (Infrared Rays) Spread technology
Panel Orientation	Landscape & Portrait
Interactive White Board Software	Application software for business
	Integration of board page and application

	Character recognition function
DRAWING	Pen / Brush / Spray / Eraser / Shape
DATA FORMAT	Intrinsic / PDF / JPG
MEDIA	Image, Audio, Video
APP LINKAGE	PowerPoint, Excel, Word, Internet Explorer
E-MAIL	Share writing/drawing data via e-mail
SCREEN SPLIT	2 horizontal Screens
USAGE CONVENIENCE	Preview / Navigation / Screen Lock
CAPTURE	Full / Window / Automatic Copy & Paste
RECORDING	Full / Window / Rectangle
ZOOM	In / Out (100% ~ 400%)
WRITING SPACE RESIZE	Resize From 1,920 x 1,080 to 3,840 x 2,160
Touch	GUI for FHD/UHD resolution
Available object size for touch	Ø 8mm
Scan Time	9 ~ 14ms
Accuracy	1mm
Interface	USB 2.0
Protection Glass Thickness	2.8T (Anti-Glare)
Operating System Support	Windows 7, Windows 8 / Mac OS X (10.7 or later) / Android / Linux (Kernel 3.9 or later)
Touch Resolution	1,428 x 803
Overlay Dimension (W x H x D)	997 x 586 x 23.5 mm (Max 60 mm)
Weight	6.5kg
Warranty	One year on parts and labor

ICT EQUIPMENT		QTY
LED TELEVISION 75" COMMERCIAL UHD TV With Adjustable Steel TV Cart		2 Units
Display	Diagonal Size: 74.6"	
	Type: Edge LED	
	Resolution: 3,840 x 2,160 (4K UHD)	
	Brightness: 400cd/m2	
	Dynamic Contrast Ratio: 1,000,000:1	
	Viewing Angle Degree: 178° / 178°	
Broadcasting System	Analog: NTSC	
	Digital: ATSC/VSB/Clear QAM	
Audio	Audio Output / Speaker System: 10W + 10W / 2.0 ch	
	Sound Mode: 6 modes (Standard, Cinema, Clear Voice III, Sports, Music, Game)	
Interface	Side: HDMI In, USB 2.0	
	Rear: RF In, AV In (Sharing with Component In), Component In + Video, Optical Digital Audio Out, HDMI In, RS 232-C In, RJ45 (SNMP), External Speaker Out	
Dimension	Bezel Width (L/R, U, B) : on bezel based (mm): 14.7, 14.7, 14.7	
	Bezel Width (L/R, U, B) : off bezel based (mm): 12.7, 12.7, 12.7	
Vesa (mm)	600 x 400	
WxHxD/weight (without stand)	66.8" x 38.6" x 1.5" / 91.1lb	
WxHxD/weight (with stand)	66.8" x 41.4" x 11.7" / 92.6lb	
Display	Diagonal Size: 74.6"	

	Type: Edge LED
	Resolution: 3,840 x 2,160 (4K UHD)
	Brightness: 400cd/m2
	Dynamic Contrast Ratio: 1,000,000:1
	Viewing Angle Degree: 178° / 178°
Broadcasting System	Analog: NTSC
	Digital: ATSC/VSB/Clear QAM
Audio	Audio Output / Speaker System: 10W + 10W / 2.0 ch
	Sound Mode: 6 modes (Standard, Cinema, Clear Voice III, Sports, Music, Game)
Interface	Side: HDMI In, USB 2.0
	Rear: RF In, AV In (Sharing with Component In), Component In + Video, Optical Digital Audio Out, HDMI In, RS 232-C In, RJ45 (SNMP), External Speaker Out
Dimension	Bezel Width (L/R, U, B) : on bezel based (mm): 14.7, 14.7, 14.7
	Bezel Width (L/R, U, B) : off bezel based (mm): 12.7, 12.7, 12.7
Vesa (mm)	600 x 400
WxHxD/weight (without stand)	66.8" x 38.6" x 1.5" / 91.1lb
WxHxD/weight (with stand)	66.8" x 41.4" x 11.7" / 92.6lb
TELESCOPIC HEIGHT ADJUSTABLE ULTRA LARGE DISPLAY STEEL TV CART FOR 60"-100" TV	
	2 Units
Features	Height adjustable TV mount
	Free-tilting design for multiple monitor viewing angles
	Quick-release spring lock adjusts height effortlessly
	Quick assembly shelf assures easy post-installation and height adjustable
	Cable management keeps everything organized
	Heavy-duty casters offer maximum portability and mobility
Specifications:	
Material:	Steel, Plastic
Color:	Black
Surface Finish:	Powder Coating
Column Size:	60X110X2.0 Thickness X990mm Length
Dimension:	1350x683x2325mm (53.1"x26.9"x91.5")
Fit screen size:	60"-100"
VESA Compatible:	200x200,300x300,400x200,400x400,600x400,800x400,800x600,1000x600
Weight Capacity:	100kg (220lbs)
Tilt Range:	+5°~ -10°
Adjustable Height:	Yes
Metal Sheet Thickness:	Panel T=1.8mm ; Bracket T=2.0mm (Panel T=0.071" ; Bracket T=0.079")
Weight Capacity per Layer:	5kg (11lbs)
Features	Height adjustable TV mount
	Free-tilting design for multiple monitor viewing angles
	Quick-release spring lock adjusts height effortlessly
	Quick assembly shelf assures easy post-installation and height adjustable
	Cable management keeps everything organized
	Heavy-duty casters offer maximum portability and mobility
Specifications:	

Material:	Steel, Plastic
Color:	Black
Surface Finish:	Powder Coating
Column Size:	60X110X2.0 Thickness X990mm Length
Dimension:	1350x683x2325mm (53.1"x26.9"x91.5")
Fit screen size:	60"-100"
VESA Compatible:	200x200,300x300,400x200,400x400,600x400,800x400,800x600,1000x600
Weight Capacity:	100kg (220lbs)
Tilt Range:	+5°~ -10°
Adjustable Height:	Yes
Metal Sheet Thickness:	Panel T=1.8mm ; Bracket T=2.0mm (Panel T=0.071" ; Bracket T=0.079")
Weight Capacity per Layer:	5kg (11lbs)
ICT EQUIPMENT	
QTY	
NETWORK ATTACHED STORAGE FOR DIVISIONS (FILE STORAGE)	6 Units
Technology	Must be High performance 2-bay NAS server
Features	Must have High-speed data transfer and must be AES-NI hardware encryption engine
	Must be screw less drive bay design and hot-swappable support
	Must be dual core processor
	Must have 4K Ultra HD video transcoding that allows you to transcode H.264 4K videos to 1080p and stream them to high-definition TVs, digital media players, mobile handsets, and computers in the required format
	Must have User Home feature that automatically create a "home" folder for every user account
	Must have Ultimate file center feature
	Must be comprehensive network protocol support including FTP, SMB2, AFP, NFS and WebDAV. With Windows AD and LDAP integration
	Must have Cloud Station Back up feature
OS	Must include DiskStation Manager
Specifications	
CPU	Intel Celeron N3060 Dual Core 1.6 burst up to 2.48 GHz 64 bit
System Memory	1GB
Storage	2 Drive Bays (Hot Swappable)
	2 x 2TB NAS HDD, Interface : SATA 6Gb/s, Cache : 64MB, Spin Speed : 5900RPM
	* Max Sustained Data Transfer Rate OD (MB/s): 159
	* Voltage Tolerance, Including Noise (5V): ±5%
	* Voltage Tolerance, Including Noise (12V): ±10%
	* Load/Unload tested to 600,000 cycles
Compatible Drive Type	3.5" SATA III / SATA II HDD
	2.5" SATA III / SATA II HDD
	2.5" SATA III / SATA II SSD
Supported RAID Type	Hybrid RAID
	Basic
	JBOD

	RAID 0
	RAID 1
RAID Migration	Basic to RAID 1
File Sharing Capacity	Maximum Local User Accounts: 2048
	Maximum Local Groups: 256
	Maximum Shared Folder: 256
	Maximum Shared Folder Sync Tasks: 4
	Maximum Concurrent CIFS/AFP/FTP Connections: 256
Snapshot Replication	Maximum Snapshots per Shared Folder: 256
	Maximum Snapshots of all Shared Folder: 4096
External Ports)	2 x USB 2.0 Port
	1 x USB 3.0 Port
	1 x eSATA Port
	USB Copy
Size (Height x Width x Depth)	165 mm x 108 mm x 233.2 mm
Weight	1.25 kg
Warranty	One year on parts and labor
	The bidder must be an authorized reseller of the brand being offered

ICT EQUIPMENT		QTY
MULTIMEDIA PROJECTOR WITH MOUNTING KIT		6 Units
Features	Must have ColorBoost3D & ColorSafe II Features	
Resolution	Native XGA (1,024 x 768)	
	Maximum WUXGA (1,920 x 1,200)	
Aspect Ratio	4:3 (Native), 16:9 (Supported)	
Contrast Ratio	Dynamic Black 20,000:1	
Displayable Colors	1.07 Billion Colors	
Brightness	3,600 ANSI Lumens (Standard), 2,880 ANSI Lumens (ECO), (Compliant with ISO 21118 standard)	
Projection Screen Size (Diagonal)	27" ~ 300" (69cm ~ 762cm)	
Projection Distance	1.2m ~ 11.8m (3.9' ~ 38.8')	
Throw ratio	1.94 ~ 2.16 (51"@2m)	
Projection lens	F = 2.41 ~ 2.53, f = 21.85mm ~ 24.01mm, Manual Zoom & Focus	
Lamp Type	Osram 195W	
Lamp Life	5,000 Hours (Standard), 6,000 Hours (ECO), 10,000 Hours (ExtremeEco)*	
	Lamp Life of ExtremeEco mode is based on an industrial standard of educational usage cycle, which consists of 45 minutes of Full, ECO and/or Dynamic modes, 75 minutes of ExtremeEco (lowest lamp power) mode and 15 minutes of Power Off mode	
Ceiling Mounting Capability	Yes	
Audio	3W Speaker x 1	
Keystone correction	+ / - 40° (Vertical, Manual)	

Weight	2.5 Kg (5.5 lbs)
Dimensions	314 x 223 x 93 mm (12.4" x 8.8" x 3.7")
Remote Control	IR remote control, PgUp/PgDn functions
Power Supply	AC input 100~240V, 50/60 Hz
Power Consumption	235 Watts (Standard), 195 Watts (ECO), <0.5 Watts (Standby)
Noise Level	31 dBA (Standard), 28 dBA (ECO)
Input Interface	Analog RGB/Component Video (D-sub) x 1 HDMI (Video, Audio, HDCP) x 1 PC Audio (Stereo mini jack) x 1
Control interface	USB (Mini-B) x 1
Mounting Kit	Universal Projector Ceiling mount bracket
Accessories	10 Meter VGA Cable and HDMI cable
Warranty	One year on parts and labor on site
Features	Must have ColorBoost3D & ColorSafe II Features
Resolution	Native XGA (1,024 x 768) Maximum WUXGA (1,920 x 1,200)
Aspect Ratio	4:3 (Native), 16:9 (Supported)
Contrast Ratio	Dynamic Black 20,000:1
Displayable Colors	1.07 Billion Colors
Brightness	3,600 ANSI Lumens (Standard), 2,880 ANSI Lumens (ECO), (Compliant with ISO 21118 standard)
Projection Screen Size (Diagonal)	27" ~ 300" (69cm ~ 762cm)
Projection Distance	1.2m ~ 11.8m (3.9' ~ 38.8')
Throw ratio	1.94 ~ 2.16 (51"@2m)
Projection lens	F = 2.41 ~ 2.53, f = 21.85mm ~ 24.01mm, Manual Zoom & Focus
Lamp Type	Osram 195W
Lamp Life	5,000 Hours (Standard), 6,000 Hours (ECO), 10,000 Hours (ExtremeEco)*
	Lamp Life of ExtremeEco mode is based on an industrial standard of educational usage cycle, which consists of 45 minutes of Full, ECO and/or Dynamic modes, 75 minutes of ExtremeEco (lowest lamp power) mode and 15 minutes of Power Off mode
Ceiling Mounting Capability	Yes
Audio	3W Speaker x 1
Keystone correction	+ / - 40° (Vertical, Manual)
Weight	2.5 Kg (5.5 lbs)
Dimensions	314 x 223 x 93 mm

Power Consumption (W)	50 MW
Voltage	5V ± 5% Allowable voltage
Reliability (MTBF)	2 Million Hours Reliability (MTBF)
Environmental Specs	
Operating Temperature	32°F - 158°F
Form Factor	2.5" SATA III "
Dimensions (W x D x H)	3.94" x 2.75" x 0.27"
Weight	0.1
Warranty	5 Years Limited Warranty or 150TBW Limited Warranty
ICT EQUIPMENT	
QTY	
BARCODE/QR CODE SCANNER	6 Units
Technology	Handheld 2D Barcode Scanners
	Must Scans 1-D, 2-D and PDF417 bar codes on paper, mobile phones and computer displays
	Must have Omni-directional scan pattern
	Must support all common interfaces
	Must provide reliable operation despite spills and drops
	Must be compatible with 123Scan and Remote Scanner Management (RSM)
	Must be capable of PDF417, MicroPDF417, Composite Codes, TLC-39, Data Matrix, Maxicode, QR Code, MicroQR, Aztec
	Must have Motion Tolerances of Up to 25 in. / 63.5 cm per second
	Must support the following protocols over USB: HID Keyboard (default mode), SNAPI, COM Port Emulation, IBM SurePOS (Yellowstone) (IBM Handheld, IBM Tabletop, OPOS);
	Must support the following protocols over RS232: Wincor Nixdorf, ICL, Fujitsu, Olivetti, Keyboard Wedge and RS485 IBM46xx ;
	The minimum resolution must be SR: Code 39 4 mil; UPC 60% 5 mil; PDF417 5 mil, Datamatrix 7.5 mil
Dimensions	6.7 in. H x 3.7 in. L x 2.7 in. W (17 cm H x 9.3 cm L x 6.8 cm W)
Warranty	One year on parts and labor
Technology	Handheld 2D Barcode Scanners
	Must Scans 1-D, 2-D and PDF417 bar codes on paper, mobile phones and computer displays
	Must have Omni-directional scan pattern
	Must support all common interfaces
	Must provide reliable operation despite spills and drops
	Must be compatible with 123Scan and Remote Scanner Management (RSM)
	Must be capable of PDF417, MicroPDF417, Composite Codes, TLC-39, Data Matrix, Maxicode, QR Code, MicroQR, Aztec
	Must have Motion Tolerances of Up to 25 in. / 63.5 cm per second
	Must support the following protocols over USB: HID Keyboard (default mode), SNAPI, COM Port Emulation, IBM SurePOS (Yellowstone) (IBM Handheld, IBM Tabletop, OPOS);
	Must support the following protocols over RS232: Wincor Nixdorf, ICL, Fujitsu, Olivetti, Keyboard Wedge and RS485 IBM46xx ;

Light source	LED (Red, Green, and Blue)
Scanning side	Simplex / Duplex / Skip Blank Page / Folio
Scanning modes	Black and white, Error diffusion, Advanced Text Enhancement, Advanced Text Enhancement II (for Windows only), 256-level grayscale, 24-bit colour
Scanning Resolutions	150 x 150dpi, 200 x 200dpi, 300 x 300dpi, 400 x 400dpi, 600 x 600dpi
Scanning Speed *2	Simplex:
(A4 / LTR, Portrait, 200dpi)	25ppm
	Duplex:
	50ipm
Interfaces	Hi-Speed USB 2.0
Software	Windows:
	ISIS / TWAIN driver, CaptureOnTouch, Presto! BizCard, Omnipage, PaperPort, eCopy PDF Pro Office, Evernote
	Mac
	TWAIN driver, CaptureOnTouch, Presto! BizCard, Presto! PageManager, Evernote
Dimensions (W x D x H)	300 x 220 x 156mm with the feed tray closed
Weight	Approx. 2.7kg
Power Requirements	AC100 to 240V (50 / 60Hz)
Power Consumption	Scanning:
	12.8W or less
	Sleep:
	1.8W or less
	OFF:
	0.5W or less
Operating environment	Temperature:
	10°C to 32.5°C
	Humidity:
	20% to 80% RH
ICT EQUIPMENT	
QTY	
SOLID STATE HARD DRIVE 500GB 2.5" SATA	21 Units
Capacity	500 GB
Interface	SATA 6Gb/s Interface, compatible with SATA 3Gb/s & SATA 1.5Gb/s interface
Key Features	
Sequential Read Speed	Up to 540 MB/s Sequential Read
Sequential Write Speed	Up to 520 MB/s Sequential Write
Random Read Speed	SATA 6Gb/s Interface, compatible with SATA 3Gb/s & SATA 1.5Gb/s interface
Random Write Speed	Random Write (4KB, QD32): Up to 90,000 IOPS Random Write
Memory Speed	Samsung 32 layer 3D V-NAND Samsung 512 MB Low Power DDR3 SDRAM
Controller	Samsung MGX Controller
Trim Support	Yes
AES Encryption	AES 256 bit Encryption (Class 0) , TCG/Opal, IEEE1667 (Encrypted drive)
Internal Storage	Yes
Temperature proof	Yes
General	

	(12.4" x 8.8" x 3.7")
Remote Control	IR remote control, PgUp/PgDn functions
Power Supply	AC input 100~240V, 50/60 Hz
Power Consumption	235 Watts (Standard), 195 Watts (ECO), <0.5 Watts (Standby)
Noise Level	31 dBA (Standard), 28 dBA (ECO)
Input Interface	Analog RGB/Component Video (D-sub) x 1 HDMI (Video, Audio, HDCP) x 1 PC Audio (Stereo mini jack) x 1
Control interface	USB (Mini-B) x 1
Mounting Kit	Universal Projector Ceiling mount bracket
Accessories	10 Meter VGA Cable and HDMI cable
Warranty	One year on parts and labor on site
ICT EQUIPMENT	
QTY	
SCANNER (AUTO DOCUMENT FEEDER)	6 Units
Type	Desktop sheet-fed scanner
Document size	Plain paper U-turn path: Width: 50.8 to 216mm Length:70 to 356mm Straight path: Width: 50.8 to 216mm, Length:53.9 to 356mm Use Long Document mode to scan documents up to 3,000mm long Business card 50 x 53.9mm or larger. Vertical feeding only Plastic Card 53.9 x 85.5mm (ISO standard). Embossed cards can be scanned
Document thickness	Plain paper U-turn path: 52 - 128g/m2 (0.06 - 0.15mm) Straight path: 40 - 209g/m2 (0.05 - 0.25mm) Business card 300g/m2 0.35mm or less Plastic Card 0.76mm or less
Document feeding	Automatic sheet feeding
Feeding Capacity	6mm stack (including curls) or 30 sheets of 80g/m2
Scanning element	CMOS CIS

	The minimum resolution must be SR: Code 39 4 mil; UPC 60% 5 mil; PDF417 5 mil, Datamatrix 7.5 mil
Dimensions	6.7 in. H x 3.7 in. L x 2.7 in. W (17 cm H x 9.3 cm L x 6.8 cm W)
Warranty	One year on parts and labor
ICT EQUIPMENT	
QTY	
BARCODE PRINTER	23 Units
Standard Features:	Must be 32 bit RISC processor
	Must have Co-resident EPL and ZPL programming languages (emulator is not allowed)
	Must have Triple connectivity: Serial, USB and parallel
	Print methods: Thermal transfer and direct thermal modes
	» GC420t — thermal transfer and direct thermal
	* Construction: Dual-wall frame, reinforced plastic
	* OpenACCESS™ for easy media and ribbon loading
	* Certified Microsoft® Windows® drivers
Resolution	203 dpi/ 8 dots per mm
Memory	8 MB Flash, 8 MB SDRAM (standard)
Print Width	4.09"/104 mm
Maximum Print Length	39"/990 mm
Maximum Print Speed	4"/102 mm per second
Media Sensors	Standard: Fixed reflective and transmissive sensors
Media width	1.00"/25.4 mm to 4.24"/108 mm
Media length	0.38"/9.6 mm to 39"/990 mm
Maximum media roll size	5"/127 mm O.D. on a 1.00"/25.4 mm, 1.5"/38 mm I.D. core
Media thickness	0.003"/0.08 mm to 0.007"/0.18 mm
Media types	Roll-fed or fan-fed, die cut or continuous direct thermal labels with or without black mark, tag stock, continuous receipt paper, wristbands, and optional liner-free direct thermal media
Ribbon Characteristics:	
Outside diameter	1.34"/34 mm
Standard length	244' (74 m)
Ratio	1:1 media to roll to ribbon
Width	1.33"/33.8 mm to 4.3"/110 mm
Core I.D.	0.5"/12.7 mm
Firmware:	* The printer must have Powerful programming language that lets printers run stand-alone applications, connect to peripherals, and much more (option)
	* The printer must have Programming utility that makes it dramatically easier for programmers to create and test complex ZBI 2.0 programs and distribute them to the printer
	* The printer must have Programming Language that provides sophisticated label formatting and printer control and is compatible with tabletop and mobile printers
	* The printer must have Eltron Programming Language that simplifies label formatting and enables format compatibility with legacy applications

	Line Mode support (GK888d) enables format compatibility with legacy applications
Fonts/Graphics/Symbologies:	<ul style="list-style-type: none"> • 16 resident expandable ZPL fonts • One resident scalable ZPL font • 5 resident expandable EPL2 fonts • Supports user-defined fonts and graphics — including custom logos
Bar Code Symbologies:	• Bar Code Ratios: 2:1 (non-rotated) and 3:1
Standard Features:	Must be 32 bit RISC processor
	Must have Co-resident EPL and ZPL programming languages (emulator is not allowed)
	Must have Triple connectivity: Serial, USB and parallel
	Print methods: Thermal transfer and direct thermal modes
	» GC420t — thermal transfer and direct thermal
	* Construction: Dual-wall frame, reinforced plastic
	* OpenACCESS™ for easy media and ribbon loading
	* Certified Microsoft® Windows® drivers
Resolution	203 dpi/ 8 dots per mm
Memory	8 MB Flash, 8 MB SDRAM (standard)
Print Width	4.09"/104 mm
Maximum Print Length	39"/990 mm
Maximum Print Speed	4"/102 mm per second
Media Sensors	Standard: Fixed reflective and transmissive sensors
Media width	1.00"/25.4 mm to 4.24"/108 mm
Media length	0.38"/9.6 mm to 39"/990 mm
Maximum media roll size	5"/127 mm O.D. on a 1.00"/25.4 mm, 1.5"/38 mm I.D. core
Media thickness	0.003"/0.08 mm to 0.007"/0.18 mm
Media types	Roll-fed or fan-fed, die cut or continuous direct thermal labels with or without black mark, tag stock, continuous receipt paper, wristbands, and optional liner-free direct thermal media
Ribbon Characteristics:	
Outside diameter	1.34"/34 mm
Standard length	244' (74 m)
Ratio	1:1 media to roll to ribbon
Width	1.33"/33.8 mm to 4.3"/110 mm
Core I.D.	0.5"/12.7 mm
Firmware:	* The printer must have Powerful programming language that lets printers run stand-alone applications, connect to peripherals, and much more (option)
	* The printer must have Programming utility that makes it dramatically easier for programmers to create and test complex ZBI 2.0 programs and distribute them to the printer
	* The printer must have Programming Language that provides sophisticated label formatting and printer control and is compatible with tabletop and mobile printers
	* The printer must have Eltron Programming Language that simplifies label formatting and enables format compatibility with legacy applications

	Line Mode support (GK888d) enables format compatibility with legacy applications
Fonts/Graphics/Symbologies:	<ul style="list-style-type: none"> • 16 resident expandable ZPL fonts • One resident scalable ZPL font • 5 resident expandable EPL2 fonts • Supports user-defined fonts and graphics — including custom logos
Bar Code Symbologies:	• Bar Code Ratios: 2:1 (non-rotated) and 3:1
Warranty	One year on parts and labor
ICT EQUIPMENT	
QTY	
HI-RESOLUTION DOCUMENT SCANNER (75PPM)	2 Units
Type	Must be Desktop sheet-fed scanner
Document Feeding	Must be Automatic or manual sheet feeding
Document size	
Width	Must be 50.8 - 305mm
Length	Must be 70 - 432mm
Long Document Mode:	Must be up to 3,000mm
Document thickness and weight	
Continuous Feeding	Must be 20 - 209g/m ² , 0.04 - 0.25mm
Non-Separation Mode	Must be 20 - 255 g/m ² , 0.04 - 0.3mm
Feeding Capacity	Must be 48mm stack or 500 sheets of 80 g/m ²
Scanning Element	Must be 3-line CMOS CIS
Light Source	Must be LED (red, green, and blue)
Scanning Side	Must be Simplex / Duplex
Scanning Modes	Black and White, Error Diffusion, Advanced Text Enhancement, Advanced Text Enhancement II, 256-level Grayscale, 24-bit Color, Auto Colour Detection
Scanning Resolutions	150 x 150dpi, 200 x 200dpi, 240 x 240dpi, 300 x 300dpi, 400 x 400dpi, 600 x 600dpi
Scanning speed*1 (A4 / LTR, 200dpi)	
B&W	Portrait: DR-G1100: 75ppm (Simplex) / 150ipm (Duplex) Landscape
	Landscape: DR-G1100: 100ppm (Simplex) / 200ipm (Duplex)
Grayscale	Portrait: DR-G1100: 75ppm (Simplex) / 150ipm (Duplex)
	Landscape: DR-G1100: 100ppm (Simplex) / 200ipm (Duplex)
Colour	Portrait: DR-G1100: 75ppm (Simplex) / 150ipm (Duplex)
	Landscape: DR-G1100: 100ppm (Simplex) / 200ipm (Duplex)
Interface	Hi-Speed USB 2.0
Technical Specification	
Scanner driver	ISIS / TWAIN
Useful functions	Job Function, Ultrasonic Double-Feed Detection, Staple Detection, Text Enhancement, Dropout and Color Enhancement, Auto Page Size Detection, 3-D Color Correction, Image Rotation, Skip Blank Page, Edge Emphasis, Moiré Removal, Prevent Bleed Through / Remove Background, Contrast Adjustment, Shading Correction, Brightness Adjustment, Deskew, Border Removal, Scanning Side Selection, Scan Area Settings, Add-on Settings, Text Orientation Recognition, Punch Hole Removal, Folio Scan, Unnecessary dots removal, Notch removal,

	Background Smoothing, Character Emphasis, Count Only Mode, Verify Scan, Rapid Recovery System, MultiStream™
Power requirements	AC220-240V (50 / 60Hz)
Power Consumption	220 - 240V: 94.3W (Scanning), 1.7W (Sleep mode)
Operating Environment	10 - 32.5°C
	Humidity: 20 - 80% RH
Dimensions (W x D x H)	Feed trays closed: 480 x 535 x 315mm
Weight	Approx. 22.8kg
Warranty	One year on parts and labor
ICT EQUIPMENT	
QTY	
VOIP PHONE WITH ADAPTOR	93 Units
Technology	Must be Business Media Phone
	Must have 2 programmable lines/registrations
	Must have 2.5" Graphical backlit LCD display with 5-way navigation cluster for control
	Must be HD voice and Acoustic Fence Technology
	Must have 2 x Ethernet 10/100 for network pass through
	Must have RJ9 Headset support with electronic hook switch
	Must have full duplex Type 1-compliant speakerphone features
	Must be designed for interoperability and is certified to interoperate with the industry's broadest range of PBX systems and SIP call control platforms
	Must have Zero Touch Provisioning and web-based configuration tool
	Must be simple to deploy, easy to administer, upgrade, and maintain
User interface features	Must have Voicemail support
	Reversible desk stand/wall mount
	Unicode UTF-8-character support
Feature Keys	4 context-sensitive "soft" keys
	2-line keys with bi-color (red/green) LED
	"Home" feature key
	4-way navigation key cluster with center "Select" key
	2 volume control keys
	Dedicated hold key
	Dedicated headset key
	Dedicated hands-free speakerphone key
	Dedicated microphone mute key
Call handling features	Shared call/bridged line appearance
	Distinctive incoming call treatment/call waiting
	Call timer and call waiting
	Call transfer, hold, divert (forward), pickup
	Called, calling, connected party information
	Local three-way audio conferencing
	One-touch speed dial, redial
	Remote missed call notification

	Do not disturb function
	Electronic hook switch capable
	Local configurable digit map/dial plan
Network and provisioning	SIP Protocol Support
	SDP
	IETF SIP (RFC 3261 and companion RFCs)
	Two-port Ethernet switch
	10/100Base-TX across LAN and PC Ports
	Manual or dynamic host configuration protocol (DHCP) network setup
	Time and date synchronization using SNTP
	FTP/FTPS/TFTP/HTTP/HTTPS server based central provisioning for mass deployments
	Provisioning and call server redundancy supported
	QoS Support—IEEE 802.1p/Q tagging (VLAN), Layer 3 TOS, and DHCP
	Network Address Translation (NAT) – support for static configuration and “Keep-Alive” SIP signaling
	RTCP and RTP support
	Event logging
	Syslog
	Hardware diagnostics
	Status and statistics reporting
Security	802.1X Authentication and EAPOL
	Media encryption via SRTP
	Transport Layer Security (TLS)
	Encrypted configuration files
	Digest authentication
	Password login
	Support for URL syntax with password for boot server address
	HTTPS secure provisioning
	Support for signed software executables
Power Adaptor	Must include External Universal AC Adapter 12V
Warranty	Must be One year with premier service program that provides Service Partners with technical telephone support, advance parts replacement, software upgrades & updates, and access to Polycom’s enhanced support portal. The SLA must be included on the technical requirements
	The bidder must be an authorized reseller of the brand being offered.