# Annexe B - Scope of Work

# Purpose

The Goal IT Department require an IT Services provider to support the service and supply of IT equipment for business use.

This is in line with the agreed organisational strategic plan and the IT strategic plan.

GOAL will enter into a three-year framework agreement with the preferred supplier to provide stability and predictability in this area. The FWA will set prices for the FWA duration (initially for 1 year with the possibility to review on an annual basis up to a maximum of 3 years). Prices and the quality of the service received will be reviewed jointly on an annual basis by GOAL and framework suppliers to make sure it’s satisfactory and within current market value.

# Deliverables

GOAL is seeking to contract service providers, suppliers who has the capacity to fulfil the requirements of this ITT and have the delivery capability to deliver to GOALS’ offices worldwide (see annex A).

The selected supplier/s will deliver support in the below key areas:

HARDWARE

PERIPHERALS

TELECOMS

SECURITY DEVICES & LICENSING

# Proposal Submission requirements

The selected supplier/s will deliver support in the below key areas:

1. Contractors may submit tenders for either lot or all lots. Each lot will be evaluated separately. Complete the pricing schedule for all items in a minimum of one single Lot by including your price for each item in the Lot(s) being tendered for.

2. Tenderers must set out a delivery lead time in working days to cover all quantities and delivery per Lot(s) being tendered for. For evaluation purposes the delivery location will be GOAL HQ Carnegie House Dun Laoghaire, Co Dublin and all country offices (Annex A). For evaluating bids, please do not provide shipment costs, only shipment times.

3. Tenderers must specify their warranty period to cover for all items per Lot(s) being tendered for.

4. Please provide a detailed description of the customer service and support you will offer to GOAL for each of the Lot(s) being tendered for.

**TECHNICAL PROPOSAL**

|  |
| --- |
|  |
| TECHNICAL PROPOSAL 30 MARKS |
|  | **Sub Criteria** | **Maximum Marks** | **Minimum Marks required to Pass \*** |
| 1 | Delivery time for Ireland | 10 | 4 |
| 2 | Delivery time for Country offices | 10 | 4 |
| 3 | Customer Service and Support | 10 | 4 |
| 4 | Added Value points for IT Sustainability | 5 | - |
|  | **Total Marks Available** | **35** | **-** |

\*All tenders that achieve the Minimum Marks required to Pass for the above sub-criteria will be eligible to proceed to be evaluated under Award Criteria Price.

Tenderers who fail to achieve ANY minimum Mark required to Pass as set out in the table above will be eliminated from the competition.

**How Tenderers marks will be allocated:**

**1. Delivery time for Ireland**

Tenderers must set out a delivery lead time in working days, for the delivery of IT equipment to GOAL from the date of receipt of an order (where the order is placed before 12.00pm on a particular working day) to the delivery date of the IT equipment to GOAL head office in Dublin. Only ONE (1) lead time to cover all quantities and delivery per Lot. Tenderers quoting more than one (1) delivery lead time, or who do not quote a delivery lead time for any Lot(s) in the Tender Response Document, will be automatically allocated the marks relating to the longest lead time.

|  |  |
| --- | --- |
| Delivery Lead Time | Marks |
| Between 0 – 10 working days | 10 (Excellent) |
| Between 11 – 20 working days | 8 (Good) |
| Between 21 – 30 working days | 6 (Satisfactory) |
| Between 31 – 40 working days | 4 (Fair) |
| 40+ working days | 2 (Poor) |

Using the minimum rule suppliers must score for delivery of these items. Failure to score satisfactory or higher will result in elimination.

Please include your response in the table below:

|  |  |
| --- | --- |
| Lots | Delivery Lead Time in working day(s) |
| LOT 1 |  |
| LOT 2 |  |
| LOT 3 |  |
| LOT 4 |  |
| LOT 5 |  |

**2. Delivery time for Country Offices**

Tenderers must set out a delivery lead time in working days, for the delivery of IT equipment to GOAL from the date of receipt of an order (where the order is placed before 12.00pm on a particular working day) to the delivery date of the IT equipment to GOAL head office in Dublin. Only ONE (1) lead time to cover all quantities and delivery per Lot. Tenderers quoting more than one (1) delivery lead time, or who do not quote a delivery lead time for any Lot(s) in the Tender Response Document, will be automatically allocated the marks relating to the longest lead time.

Tenderers must be able to ship to at least 80% of GOAL countries.

|  |  |
| --- | --- |
| Delivery Lead Time | Marks |
| Between 0 – 30 working days | 10 (Excellent) |
| Between 31 – 40 working days | 8 (Good) |
| Between 41 – 50 working days | 6 (Satisfactory) |
| Between 51 – 60 working days | 4 (Fair) |
| 60+ working days | 2 (Poor) |

Using the minimum rule suppliers must score for delivery of these items. Failure to score satisfactory or higher will result in elimination.

Please include your response in the table below:

|  |  |
| --- | --- |
| Lots | Delivery Lead Time in working day(s) |
| LOT 1 |  |
| LOT 2 |  |
| LOT 3 |  |
| LOT 4 |  |
| LOT 5  |  |

**3. Customer Service and Support**

Please provide a detailed description of the customer service and support you will offer to GOAL for each of the Lot(s) being tendered for, including (but not limited to) the following:

* How you will deal with Customer complaints – their investigation, resolution, and subsequent corrective actions and/or preventative actions, including relevant timelines;
* Your proposed approach to ensuring the provision of a high-quality service to this Framework
* Outline defined service level agreements (SLA’s)

The complete response to ‘Customer Service and Support’ will be scored out of 10 marks using the scoring matrix laid out in the table below.

|  |  |
| --- | --- |
| 2 Marks | **Poor** – Very limited response provided. Deficiencies in response leading to significant cause for concern. |
| 4 Marks | **Fair** – Some detail provided, but response is not detailed enough or at too high a level to demonstrate a workable solution. Deficiencies in response lead to some cause for concern |
| 6 Marks | **Satisfactory** – A satisfactory response which demonstrates a reasonable understating of requirements, however response does not provide sufficiently convincing assurance that all requirements will be addressed |
| 8 Marks | **Good** – Good response, clearly demonstrating an understanding that most requirements will be met however minor reservations exist that all requirements will not be addressed. |
| 10 Marks | **Excellent** – Excellent response that fully meets or exceeds requirements, providing a comprehensive, detailed and convincing assurance that the tenderer will be able to deliver on all requirements. |

Using the minimum rule suppliers must score Satisfactory for Customer Service Support. Failure to score satisfactory or higher will result in elimination.

**4. ADDED VALUE**

Marks will be attributed based on:

* the use of environmentally friendly packaging,
* offset your transport carbon emissions,
* carry out sustainable procurement and offer recycling of old equipment.

Please include a description taking into consideration the above points.

|  |  |
| --- | --- |
| Delivery Lead Time | Marks |
| Clear efforts towards becoming more sustainable | 5 (Good) |
| Limited offering with sustainable considerations | 3 (Satisfactory) |
| No definable offering | O (Zero) |

**ANNEXE B - PRICING SCHEDULE- FINANCIAL OFFER**

*(All Tenderers must complete the Pricing Schedule)*

**All prices quoted must be all inclusive (i.e. including but not being limited to all costs/expenses/indexation), be expressed in Euro only and exclusive of VAT. The VAT rate(s) where applicable should be indicated separately.**

**UNIT Prices should be included in the below Table.**

Please note that where all items haven’t been quoted for in a particular Lot you will be eliminated from that Lot. Lots will be assessed individually, and suppliers can quote for one or more Lots.

**The below is not an exhaustive list, these are the basic items required in this Tender and if proceed in signing the Framework agreement then the full list will be shared with you.**

**LOT 1 HARDWARE**

**\*Please see below for full specifications. Please ensure all quoted items are for products designed for business use.**

**\*For any laptops, quote for Dell, HP, or Lenovo**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Item | Description | Delivery Lead time | Warranty | Total Delivered Price Excl VAT |
| 1 | Laptop 1 |  |  |  |
| 2 | Laptop 2 |  |  |  |
| 3 | PC (Desktop) |  |  |  |
| 4 | Printer (Desktop printer) |  |  |  |
| 5 | Printer (Small MFP) |  |  |  |
| 6 | Server:: 2U Rack |  |  |  |
| 7 | Ethernet Switch 1 |  |  |  |
| 8 | UPS 1 |  |  |  |

**LOT 2 - Peripherals / Accessories**

\*Please see below for full specifications

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Item | Description | Delivery Lead time | Warranty | Total Delivered Price Excl VAT |
| 1 | SSD Drive small |  |  |  |
| 2 | SSD Drive medium |  |  |  |
| 3 | RAM |  |  |  |
| 4 | Hand Held Tablet |  |  |  |
| 5 | PC Monitor 1 |  |  |  |
| 6 | PC Monitor 2 |  |  |  |
| 7 | Power supply |  |  |  |
| 8 | Docking station 1 |  |  |  |
| 9 | Backpack 1 |  |  |  |
| 10 | ID Card Printer 1 |  |  |  |
| 11 | Headset (Wired) |  |  |  |
| 12 | Keyboard (Wired) |  |  |  |
| 13 | Mice (Wired) |  |  |  |

**LOT 3 – Telecoms**

\*Please see below for full specifications

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Item | Description | Delivery Lead time | Warranty | Total Delivered Price Excl VAT |
| 1 | **IP Phone** |  |  |  |
| 2 | **Smart Phone (low end)** |  |  |  |
| 3 | **Smart Phone - High end** |  |  |  |
| 4 | **Conferencing system (video conferencing system) Large Meeting Room** |  |  |  |
| 5 | **Conferencing system (video conferencing system) - Small meeting room** |  |  |  |
| 6 | **Small (omni-directional microphone/speaker)** |  |  |  |
| 7 | **Large (omni-directional microphone/speaker)** |  |  |  |

**LOT 4 - Security Devices and Licensing**

\*Please see below for full specifications

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Item | Description | Delivery Lead time | Warranty | Total Delivered Price Excl VAT |
| 1 | **MX 64W** |  |  |  |
| 2 | **MX 64W license** |  |  |  |
| 3 | **MX 65W** |  |  |  |
| 4 | **Mx 65W license** |  |  |  |
| 5 | **Mx 85 Firewall** |  |  |  |
| 6 | **Mx 85 license** |  |  |  |
| 9 | **UniFi Access Point U6 Lite (small office)** |  |  |  |
| 10 | **UniFi Access Point U6 Long range (medium office)** |  |  |  |

**LOT 5 - IT infrastructure support services**

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Description | Delivery Lead time | Total Delivered Price Excl VAT |
| 1 | Remote Senior Network Support Engineer - (Daily or hourly rate) |  |  |
| 2 | Remote Senior Server Support Engineer - (Daily or hourly rate) |  |  |
| 3 | Remote Service Desk Support Engineer - (Daily or hourly rate) |  |  |

Signed: (Director) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Print Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Company Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |
| --- |
| LOT 1 – Hardware Specification |
| \*All prices must be comprehensive and include all other costs be expressed in Euro only and exclusive of VAT. The VAT rate(s) where applicable should be indicated separately. |
| Name  | Details\* |  |
| Laptop 1(Dell/HP/Lenovo) | Laptop with the following or with equivalent specs:Processor Minimum: Previous Generation Quad Core. Please provide options.Memory Minimum:   8 GB RAM.Available Disk Space:  Minimum 256GB SSD. Provide options.Peripherals Minimum:  Graphics hardware acceleration VGA x 1, HDMI x 1, USB x 2, Operating System: Windows 10/11 Professional or none.Connection: Includes wireless network interface card: A/C/N or better.Display Size: 13.3 inches.Encryption: Must be capable of being encrypted.Battery: Lithium-ion battery. State how many battery cells the device is capable of holding. State battery life during constant use and whilst on standby.  State if the device supports ‘hot swop’ battery operation.Warranty:State warranty duration and what is covered under warranty\*\*\*End\*\*\* |   |
| Laptop 2(Dell/HP/Lenovo) | Laptop with the following or with equivalent specs:Processor Minimum: Latest Generation Quad Core. Please provide options.Memory Minimum:   16 GB RAM.Available Disk Space:  Minimum 500GB SSD. Provide options.Peripherals Minimum:  Graphics hardware acceleration VGA x 1, HDMI x 1, USB x 2, includes number pad in laptop build.Operating System: Windows 10/11 Professional or none.Connection: Includes wireless network interface card: A/C/N or better.Display Size: 13.3 inchesEncryption: Must be capable of being encrypted.Battery: Lithium-ion battery. State how many battery cells the device is capable of holding. State battery life during constant use and whilst on standby.  State if the device supports ‘hot swop’ battery operation.Warranty:State warranty duration and what is covered under warranty.\*\*\*End\*\*\* |   |
| PC (Desktop)  | Desktop with the following specifications or equivalent:Processor Minimum: Latest Generation Quad Core. Please provide options.Memory Minimum: 16 GB RAM. Provide options for 16 GB where possible.Available Disk Space: Minimum: 500GB SSD. Provide options.Drive:  DVD-ROM.Peripherals Minimum:  Graphics hardware acceleration VGA x 1HDMI x 1, USB x 2, LAN/RJ45 x 1Operating System:  Windows 10/11 Professional or no OS Encryption:  Must be capable of being encrypted; provide detailed explanation of how this will be achieved.Warranty:  State warranty duration and what is covered under warranty.Provide options for extended warranty.\*\*\*End\*\*\* |   |
| Printer (Desktop printer) | Printers & Multifunction Auto Document FeederHigh Yield PrintingType:  LaserWi-FiFunctions3-in-1 (print, copy, scan)Display:  LCDMemory:  192 MBCompatible Operating SystemsWindows XP Home Edition, XP Professional Edition, XP professional x64 Edition, Server 2003 (Network only), Server 2003 x64 Edition (Network only), Vista, Server 2008 (Network only), Server 2008 R2 (Network only), Windows 7, Windows 8, Server 2012, Windows 10/11.Card ReaderWireless Printer ConnectionsAutomatic duplex scan. Automatic duplex print.Scan to USB device, Scan to Email & Scan to Network folder feature available.Print speed: the black print was mentioned as 0, however 18 for color.It should be at least 27 ppm for color and 27 for black. Duty Cycle (monthly) 40000~50000 pages.Print Features Printer Type:  LaserjetInput Capacity:  250 SheetsOutput Capacity:  100 SheetsPrint Speed - Mono:  27Print Speed - Colour:  27 Scan Features Scan File Format:  OCR, PDFScan Size:  A4Max. Scan Resolution:  19200 x 19200 dpiScan Resolution:  1200 x 2400 dpiPhotocopy Features Copy Resolution - Colour  600 x 600 dpiCopy Resolution - Mono  600 x 600 dpiCopy Speed - Mono  18 ipmCopy Speed - Colour  18 ipmPower Frequency:  50 - 60 HzVoltage:  220-240 VConnectivity Wireless Connectivity:  Wi-FiWireless Ready:  YesPorts & Connections:  USB 2.0, EthernetUSB Ports:  1\*\*\*End\*\*\* |   |
| Printer (Small MFP) | Main UnitMachine type or similar specsColor Laser MultifunctionalCore functionsPrint, Copy, Scan, Send, Store and Optional FaxScan to Email & Scan to Network folder feature available.Processor SpeedDual Custom Processor (Shared) 1.75 GhzControl Panel25.6 cm (10.1 inch) TFT LCD WSVGA Colour Touch panelMemoryStandard: 3.0GB RAMHard Disk driveStandard: 250GBInterface ConnectionNETWORK Standard: 1000Base-T/100Base-TX/10Base-T, Wireless LAN (IEEE 802.11 b/g/n) Optional: NFC, Bluetooth Low Energy OTHERS Standard: USB 2.0 (Host) x2, USB 3.0 (Host) x1, USB 2.0 (Device) x1 Optional: Serial Interface, Copy Control InterfacePaper input (Standard)1 x 550-sheet cassette (80gsm) 100-sheet multi-purpose tray (80gsm)Paper input (Option)550-sheet cassette (80 gsm) (CASSETTE MODULE-AE1) 550-sheet cassette (80gsm) (CASSETTE FEEDING UNIT-AJ1) 3 x 550-sheet cassettes (80gsm) (CASSETTE FEEDING UNIT-AK1)Maximum paper input capacity2,300 sheets (80 gsm)Paper output capacityWithout Finisher: 250 Sheets (A4, 80 gsm) With Finisher: Max.500 sheets (A4, 80 gsm)Finishing capabilitiesCollate, Group With External Finisher : Collate, Group, Offset, StapleSupported media typesCassettes: Thin paper, Plain paper, Recycled paper, Colour paper, Pre-punched paper, Thick paper, Bond paper, Envelopes\* \*Envelopes supported via standard cassette 1 only. Multi-purpose tray: Thin paper, Plain paper, Recycled paper, Colour paper, Pre-punched paper, Thick paper, Bond paper, Transparency, Labels, EnvelopesSupported media sizesCassette 1: Standard size: A4, B5, A5, Envelopes (No. 10(COM 10), Monarch, ISO-C5, DL) Custom size: Min. 98 mm x 190.5 mm up to 216 mm x 355.6 mm Multi-purpose tray: Standard size: A4, B5, A5 Custom Size: Min. 98 mm x 148 mm up to 216 mm x 355.6 mm Envelopes: No.10 (COM10), Monarch, ISO-C5, DL Envelope custom size: 98 mm x 148 mm to 216 mm x 355.6 mm CASSETTE MODULE-AE1: Standard size: A4, B5, A5 Custom size: Min. 98 mm x 190.5 mm up to 216 mm x 355.6 mm CASSETTE FEEDING UNIT-AJ1/AK1: Standard size: A4, B5, A5 Custom size: Min. 98 mm x 190.5 mm up to 216 mm x 355.6 mmSupported media weightsCassettes: 60 to 163 gsm Multi-purpose tray: 60 to 220 gsm Duplex: 60 to 163 gsmWarm-up TimeFrom Power on:34 Seconds or Less 1From Sleep Mode: 10 Seconds or Less Quick Start-up Mode: 4 seconds or less 3Dimensions (W x D x H)Approx 511 mm x 651 mm x 541 mm or equivalentInstallation Space (W x D)511 x 651(Basic: Platen cover + Multi-purpose tray extended) 1,407 mm x 908 mm (Fully configured: Platen cover + STAPLE FINISHER-Z1+ Multi-purpose tray extended) 852 mm x 908 mm (Basic: DADF + Multi-purpose tray extended)1,407 mm x 908 mm (Fully configured: DADF + STAPLE FINISHER-Z1 + Multi-purpose tray extended)WeightApprox. 42kg including toner Print SpecificationsPrinting method Colour Laser Beam PrintingPrint Speed (BW/CL)25 ppm (A4), 26 ppm (B5), 26 ppm (A5) 35 ppm (A4), 26 ppm (B5), 26 ppm (A5)Print Resolution 1,200 dpi x 1,200 dpi equivalentPage Description Language(s)UFR II, PCL 6, Genuine Adobe PostScript Level 3 (Standard)Double Sided PrintingAutomatic (Standard)Direct printing available from USB memory key, Advanced space, Remote UI and Web Browser 4Supported file types: TIFF, JPEG, PDF, EPS, and XPS.Printing from mobile and cloudA range of software and MEAP-based solutions is available to provide printing from mobile devices or internet-connected devices and cloud-based services depending on your requirements. Fonts: PCL fonts: 93 Roman, 10 Bitmap fonts, 2 OCR fonts, Andalé Mono WT J/K/S/T\* (Japanese, Korean, Simplified and Traditional Chinese) , Barcode fonts\*\* PS fonts: 136 Roman \*Requires optional PCL INTERNATIONAL FONT SET-A1 \*\*Require optional BARCODE PRINTING KIT-D1Operating SystemUFRII: Windows Vista/Server 2008/7/Server 2008 R2/Server 2012/8.1/Server 2012 R2/10/Server 2016, MAC OS X (10.7 or later) PCL: Windows Vista/Server 2008/7/Server 2008 R2/Server 2012/8.1/Server 2012 R2/10/Server 2016 PS: Windows Vista/Server 2008/7/Server 2008 R2/Server 2012/8.1/Server 2012 R2/10/Server 2016, MAC OS X (10.7 or later) PPD: Windows Vista/7/8.1/10, MAC OS X (10.3.9 or later) SAP Device Types are available via the SAP Market Place. Please refer to http://software.canon-europe.com/ for availability of print solutions for other operating systems and environments including AS/400, UNIX, Linux and Citrix. Some of these solutions are chargeable.Copy SpecificationsCopy Speed 25 ppm (A4), 26 ppm (B5), 26 ppm (A5) \*: 35 ppm (A4), 26 ppm (B5), 26 ppm (A5)First-Copy-Out Time (BW/CL)Approx. 6.9/9.4 seconds or less Approx. 5.1/6.9 seconds or lessCopy resolutionReading: 600 dpi x 600 dpi Printing: Up to 2.400 dpi equivalent x 600 dpiMultiple CopiesUp to 999 copiesMagnification25% - 400% (1% Increments)Scan SpecificationsStandard typeStandard: Reader and Single-pass Duplexing Automatic Document Feeder (DADF)Pull Scan SpecificationsColour Network ScanGear2. For both TWAIN and WIA Supported OS: Windows Vista/7/8.1/10/Server 2008/Server 2008 R2/Server 2012/Server 2016Scan Resolution100 x 100 dpi, 150 x 150 dpi, 200 x 100 dpi, 200 x 200 dpi, 200 x 400 dpi, 300 x 300 dpi, 400 x 400 dpi, 600 x 600 dpiAcceptable Originals/weightsPlaten media size: Sheet, Book, 3-Dimensional Objects Document Feeder media size : A4, B5, A5, A6 Document Feeder media weight : 1-sided scanning: 50 to 128 gsm/64 to 128 gsm (BW/CL) 2-sided scanning: 50 to 128 gsm/64 to 128 gsm (BW/CL)Scan MethodSend functionality available on all models Scan to USB Memory Key: Available on all models Scan to Mobiles or internet-connected devices: A range of solutions is available to provide scanning to mobile devices or internet-connected devices depending on your requirements. Please contact your sales representative for further information Scan to cloud-based services: A range of solutions is available to provide scanning to cloud-based services depending on your requirements. Please contact your sales representative for further information. TWAIN/WIA Pull scanning available on all modelsScan Speed (BW/CL; A4)Single-sided Scanning (BW): 50 ipm (300 dpi x 300 dpi) / 50 ipm (300 x 600 dpi) Single-sided Scanning (Colour): 50 ipm (300 dpi x 300 dpi) / 50 ipm (300 x 600 dpi) Double-sided Scanning (BW): 100 ipm (300 dpi x 300 dpi) / 100 ipm (300 x 600 dpi) Double-sided Scanning (Colour): 100 ipm (300 dpi x 300 dpi) / 100 ipm (300 dpi x 600 dpi)Paper Capacity100 Sheets (80 gsm)Double sided scanning2-sided to 2-sided (Automatic)Send SpecificationsOptional / StandardStandard on all modelsDestinationE-mail/Internet FAX (SMTP), SMB, FTP, WebDAV, Mail Box, Super G3 FAX(Optional), IP Fax(Optional)Colour ModeAuto Colour Select (Full Colour, Grayscale), Auto Colour Select (Full Colour/ Black-and-White) Full Colour, Grayscale, and Black-and-WhiteSend resolution100 x 100 dpi, 150 x 150 dpi, 200 x 100 dpi, 200 x 200 dpi, 200 x 400 dpi, 300 x 300 dpi, 400 x 400 dpi, 600 x 600 dpiAddress Book/Speed dialsLDAP (2,000)/Local (1,600)/Speed dial (200)Send resolution100 x 100 dpi, 150 x 150 dpi, 200 x 100 dpi, 200 x 200 dpi, 200 x 400 dpi, 300 x 300 dpi, 400 x 400 dpi, 600 x 600 dpiCommunication protocolFile: FTP, SMB v3.0, WebDAV E-mail/I-Fax: SMTP, POP3, I-Fax (Simple, Full)File FormatStandard: TIFF, JPEG, PDF(Compact, Searchable, Apply policy, Optimize for Web, PDF A/1-b), XPS(Compact, Searchable), Office Open XML (PowerPoint, Word), PDF/XPS(Digital Signature) Optional: PDF(Trace&Smooth, Encrypted)Fax SpecificationsOptional / StandardOptional on iR-ADV C256i II\*/C356i II\*Modem SpeedSuper G3: 33.6 kbps G3: 14.4 kbpsCompression MethodMH, MR, MMR, JBIGResolution 400 x 400 dpi, 200 x 400 dpi, 200 x 200 dpi, 200 x 100 dpiSending/Recording Size A4, B5\*, A5\* and A6\* \*Sent as A4FAX memoryUp to 30,000 pagesSpeed dialsMax. 200Group dials/destinations: Max. 199 dialsSequential broadcast: Max. 256 addressesMemory backup: YesStore SpecificationsMail Box (Number Supported)100 User Inboxes, 1 Memory RX Inbox 50 Confidential Fax Inboxes 30,000 Maximum Pages StoredAdvanced SpaceCommunication Protocol: SMB or WebDAV Supported Client PC: Windows (Windows Vista/7/8.1/10) Concurrent Connections (Max.): SMB: 64, WebDAV: 3 (Active Sessions)Advanced Space available disc spaceApprox. 16GB (Standard HDD)Advanced Space featuresDisabling Advanced space, Storage Filtering, Authentication for Advanced Space Log-in, Search Function, Sort Function, Printing a PDF File with a Password, imageWARE Secure Audit Manager SupportMemory MediaStandard: USB MemorySecurity SpecificationsAuthenticationStandard: Universal Login Manager (Device and Function Level Log-in), uniFLOW Online Express Cloud based management software, User Authentication, Department ID, Authentication, Access Management System Optional: My Print Anywhere secure print (Requires uniFLOW)DataStandard: Trusted Platform Module (TPM), Hard Disk Password Lock, Hard Disk Drive Erase, Mail Box Password Protection, Hard Disk Drive Encryption(FIPS140-2 Validated), Common Criteria Certification (DIN ISO 15408) Optional: Data Loss Prevention (Requires uniFLOW)NetworkStandard: IP/Mac Address Filtering, IPSEC, TLS Encrypted Communication, SNMP V3.0, IEEE 802.1X, IPv6, SMTP Authentication, POP Authentication before SMTPDocumentStandard: Secure Print, Adobe LiveCycle® Rights Management ES2.5 Integration, Encrypted PDF, Encrypted Secure Print, Device signature, Secure Watermarks Optional: , User signature, Document Scan lockingEnvironmental SpecificationsOperating EnvironmentTemperature: 10 to 30 ºC (50 to 86 ºF) Humidity: 20 to 80 % RH (no condensation)Power Source 220-240 V (±10 %), 50/60 Hz (±2 Hz), 3.9 AmpPower Consumption Maximum: Approx. 1.5 kW Printing: iR-ADV C356P II\*: 488.5 wh or less iR-ADV C256i II\*/C356i II\*: 575.4 Wh or less Standby: Approx. 40.3 Wh Sleep mode: Approx. 0.8 W or Less 5Plugin Off: Approx. 0.5W Typical Electricity Consumption (TEC) rating 6: iR-ADV C256i II\*: 0.7 kWh iR-ADV C356i II\*/C356P II\*: 1.3 kWhNoise levels (BW/CL)Sound Power Level (LwAd) 7iR-ADV C256i II\*: Active (BW): 70.2 dB or less, Active (CL): 70.2 dB or less, Standby: 43 dB or less iR-ADV C356i II\*/C356P II\*: Active (BW): 71.8 dB or less 8, Active (CL): 71.8 dB or less 9, Standby: 53 dB or less 10Sound Pressure (LpAm) 11Bystander's position: iR-ADV C356P II\*/C356i II\*: Active (BW): 52 dB or less, Active (CL): 53 db or less 12, Standby: 6 dB or less 13iR-ADV C256i II\*: Active (BW): 49 dB or less, Active (CL): 50 db or less, Standby: 8 dB or lessStandardsENERGY STAR® Qualified Ecomark Green purchase Blue Angel RoHS\*\*\*End\*\*\* |   |
| Server :: 2U Rack | Form Factor/Height: 2U RackProcessor (max)/Cache (max):  Latest generation processor. Please provide options.Memory (minimum): 128GB RAM Please provide options.Disk Bays:  Minimum 8 disks , 2.5-inch HDDs or SSDs (6TB of space needed, 1 TB SSD for Operating system & 5 TB HDDs).RAID Support:  12Gbps dedicated RAID slot with support for hardware RAID 0, 1, 10 with optional RAID 5, 50,Power Supply (std/max): 2 redundant 550W AC, 750W AC, 900W AC, 1500W AC, 900W DC80 PLUS Platinum and 750W AC 80 PLUS Titanium (model dependent)Hot-Swap Components:  Power supplies, fan modules and HDDs/SSDs.Two power supplies to be installed.Network Interface:  1 x IMM and 4 × 1GbE (std.), optional 10/40GbE ML2 or PCIe adapter, Trusted Platform Module built-inExpansion Slots:  1 – 3 PCIe 3.0 slots and 1 dedicated RAID slotUSB Ports/VGA Ports:  Up to 3 x USB 2.0 front, 2 x USB 3.0 rear, 1 x USB 2.0 internal/1 front (optional)/ 1 backEnergy-Efficiency:  80 PLUS®, ENERGY STAR® (model dependent), up to 40ºC operating temp, 2 fan zones with up to 8 fansOperating Systems (OS) Supported:  Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, VMware vSphere - (optional USB Key or SD Media Adapter).Warranty: State warranty duration and what is covered under warranty.\*\*\*End\*\*\* |   |
| Ethernet Switch 1 | Switch with the following capabilities or equivalent:Management featuresManaged, Layer 2  Quality of Service (QoS) support, Multicast support  Web-based management,Ports & interfacesBasic switching RJ-45 Ethernet ports quantity :  48  Basic switching RJ-45 Ethernet ports type:  Gigabit Ethernet (10/100/1000)  SFP+ module slots quantity:  2 minConsole port:  RJ-45  USB 2.0 ports quantity:  2  minNetworking supportedNetworking standards:  IEEE 802.11a, IEEE 802.11b, IEEE 802.11g. IEEE 802.1ab,IEEE 802.1D,IEEE 802.1p,IEEE 802.1Q,IEEE 802.1s,IEEE 802.1w,IEEE 802.1x,IEEE 802.3,IEEE 802.3ab,IEEE 802.3ad,IEEE 802.3ae,IEEE 802.3af,IEEE 802.3ah,IEEE 802.3at,IEEE 802.3az,IEEE 802.3u,IEEE 802.3x,IEEE 802.3z  Full duplex, Link aggregation, Broadcast storm control, Rate limitingDHCP server, IGMP snooping, Auto MDI/MDI-X, Spanning tree protocol, 10G, VLAN support: Data transmissionSwitching capacity:  216  Gbit/sNumber of VLANs:  1023  Jumbo frames support:  Yes  SecurityAccess Control List (ACL) &  SSH/SSL supported Rack mounting, LED indicators: Safety:  UL 60950-1, CAN/CSA-C22.2 No. 60950-1, EN 60950-1, IEC 60950-1, AS/NZS 60950-1  PerformanceStackable,  Built-in processor:   APM86392 minProcessor frequency: 600  MHzInternal memory:  512  MBMemory type:  DRAM  Flash memory:  128  MBNoise level :  57  dBMean time between failures (MTBF):  233370  hPowerAC input voltage: 100-240  VAC input frequency:  50/60  HzPower consumption (typical):  66  WRedundant power supply (RPS) support:  Yes  Number of power supply units:  1  Power over Ethernet (PoE)Power over Ethernet (PoE):  Yes  Power over Ethernet (PoE) ports quantity 48  Total Power over Ethernet (PoE) budget 740  W\*\*\*End\*\*\* |   |
| UPS 1 | Online UPS Capacity 2 KVA:INPUT Voltage115VAC～285VAC (Single-phase two-wire + ground）INPUT Frequency 50/60Hz±10%OUTPUT Voltage (battery mode) 220/230V±1%VACOUTPUT Frequency (battery mode) 50/60Hz±0.5Output Waveform Pure Sine WaveTransfer Time   ZeroDevice to accept external batteries extension, working time over batteries with full load 2 hours at least.LAN connection port and web application for device monitoring available is extra bonus. "Output Output power capacity 1.98 KWatts / 2.2 kVAMax Configurable Power (Watts) 1.98 KWatts / 2.2 kVA Nominal Output Voltage 230VOutput Voltage Note Configurable for 220 : 230 or 240 nominal output voltage Output Frequency (sync to mains) 50/60Hz +/- 3 HzOther Output Voltages 220, 240Topology Pure sign Waveform type Sine waveOutput Connections (3) IEC Jumpers (Battery Backup) (1) IEC 320 C19 (Battery Backup) (8) IEC 320 C13 (Battery Backup) Transfer Time 0.9 MS or less.Input Nominal Input Voltage 230VInput frequency 50/60 Hz +/- 3 Hz (auto sensing)Input Connections British BS1363A, IEC-320 C20, Schuko CEE 7/EU1-16PCord Length 2metersInput voltage range for main operations 160 - 286VInput voltage adjustable range for mains operation 151 - 302VNumber of Power Cords 1Other Input Voltages 220, 240 Batteries & Runtime Battery type Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leak proof Typical recharge time 3hour(s)Replacement BatteryRBC43 Expected Battery Life (years) 3 - 5RBC Quantity 1RuntimeView Runtime Graph View Runtime Chart Efficiency View Efficiency Graph Communications & Management Interface Port(s) RJ-45 10/100 Base-T , RJ-45 Serial , SmartSlot , USBPre-Installed SmartSlot™ CardsAP9631 Control panel LED status display with On Line : On Battery : Replace Battery and Overload indicators, Multi-function LCD status and control console Audible Alarm when on battery : distinctive low battery alarm : configurable delays Emergency Power Off (EPO) Optional Surge Protection and Filtering Surge energy rating 375Joules Physical Environmental Operating Temperature 0 - 40 °C Operating Relative Humidity 0 - 95 % Operating Elevation 0-3000metersStorage Temperature -15 - 45 °C Storage Relative Humidity 0 - 95 % Storage Elevation 0-15000metersAudible noise at 1 meter from surface of unit 55.0dBAOnline thermal dissipation 215.0BTU/hr Conformance Approvals CE, EAC, EN 60950, EN/IEC 62040-1, EN/IEC 62040-2, GS Mark, IRAM, RCM, VDE, WEEEStandard warranty 3 years repair or replace (excluding battery) and 2 years for battery Sustainable Offer Status RoHS CompliantREACH REACH: Contains No SVHCsBattery Directive Compliant"\*\*\*End\*\*\* |   |
| **TOTAL COST Excl VAT –** Total cost is the cumulative cost of all items in the Lot. Where a cost is not included it will be assumed that you do not provide this item and will therefore be eliminated from further bidding on the Lot. |  |  |
| **VAT Rate @** |  |   |
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| **LOT 2 - Peripherals / Accessories** |
| \*All prices must be comprehensive and include all other costs be expressed in Euro only and exclusive of VAT. The VAT rate(s) where applicable should be indicated separately. |
| **Name**  | **Details\*** |  |
| **SSD Drive small** | 256GB SSD storage for input into a  laptop build.\*\*\*End\*\*\* |  |
| **SSD Drive medium** | 500GB SSD storage for input into a  laptop build. \*\*\*End\*\*\* |   |
| **RAM** | 4GB,8GB,16GB or 32GB of RAM. Must be able to suit laptops currently in circulation in the office. \*\*\*End\*\*\* |   |
| **Hand Held Tablet** | Tablet with the same or equivalent specifications:Processor Minimum: Latest Generation Dual Core. Please provide options.Memory Minimum: 4 GB RAM. Provide options for 8 GB.Available Disk Space: Minimum: 16GB. Provide options for higher storage.Peripherals Minimum:  USB x 1, Micro SD slot. Please state how many ports on device.Operating System: Windows 10/11 or androidDisplay: Minimum 7.7inch touch screen. Encryption: Must be capable of being encrypted; provide detailed explanation of how this is achieved.Battery: Lithium-ion battery. State how many battery cells the device is capable of holding. State battery life during constant use and whilst on standby. State if the device supports ‘hot swop’ battery operation.Warranty: State warranty duration and what is covered under warranty.Provide options for extended warranty.\*\*\*End\*\*\* |   |
| **PC Monitor 1** | 24 " Monitor with LED display.Resolution 1920 x 1080 pixels.Brightness 250cd/m2.Adjustable heightInterfaces and connectivity.VGA, HDMIor equivalent\*\*\*End\*\*\* |   |
| **PC Monitor 2** | 28 " Monitor with LED display.Resolution 1920 x 1080 pixels.Brightness 250cd/m2.Adjustable heightInterfaces and connectivity.VGA, HDMIor equivalent\*\*\*End\*\*\* |   |
| **Power supply** | Must be suitable for laptops currently in the office and devices quoted above. E.g. HP HP ProBook 430 G3/G4/G6HP ProBook 450 G6HP ProBook 470 G5DELL Latitude 3320DELL Latitude 5300DELL Latitude 3301Lenovo Thinkbooks usb-c\*\*\*End\*\*\* |   |
| **Docking station 1** | 3-Port USB 3.0 Hub and ethernet adapter for laptop.\*\*\*End\*\*\* |   |
| **Backpack 1** | Business Backpack with laptop compartment for 13.3" laptops\*\*\*End\*\*\* |   |
| **ID Card Printer 1** | 1 Single Sided, 300 dpi, USB, Built-in 10/100 Ethernet, Magnetic stripe encoder – ISO 7811, EU & UK Cord  or similar. Please provide options.\*\*\*End\*\*\* |   |
| **Headset (Wired)** | Product Description: Headset with microphone & two earpiece Product Type: Headset - wiredRecommended Use: ComputerHeadphones Form Factor: Full sizeConnectivity Technology: USB WiredSound Output Mode: StereoMicrophone: BoomControls: Mute, volumeCompatibility: Windows 8, 8.1,10 and 11.\*\*\*End\*\*\* |   |
| **Keyboard (Wired)** | Connectivity Technology: Wired Features: Number pad, Spillproof Product Type: Keyboard Interface: USB Key/Button Function: Calculator, multimedia, mute, volume Localization and Layout: English - UKDepth: 6.3 in Width: 18 in Layout: English - UKHot Keys Function: Multimedia, calculator, volume, mute OS Required: Windows 7, WIndows 8, Windows 10 and Windows 11. \*\*\*End\*\*\* |   |
| **Mice (Wired)** | Connectivity Technology: USB wired Interface: USB Movement Detection Technology: Optical Movement Resolution: 800 dpi Performance: 3000 fps Buttons Qty: 3 Product Type: Wired Mouse with scroll wheel \*\*\*End\*\*\* |   |

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| **LOT 3 - Telecoms** |
| \*All prices must be comprehensive and include all other costs be expressed in Euro only and exclusive of VAT. The VAT rate(s) where applicable should be indicated separately. |
| **Name**  | **Details\*** |  |
| **IP Phone (small)** | 4 line gray scale graphic with backlit(320x80)10 programmable feature keys with 3 color LED2 Gigabit LAN port (10/100/1000 Base-T)Wide Band Speaker phonePoE(802.3af)LLDP-MED/802.1x security supportOpen VPN support\*\*\*End\*\*\* |   |
| **Smart Phone (low end) or similar spec phone** | NETWORK Technology GSM / HSPA / LTE / 5GLAUNCH Announced 2021, June 03Status Available. Released 2021, June 24BODY Dimensions 167.2 x 76.4 x 9 mm (6.58 x 3.01 x 0.35 in)Weight 203 g (7.16 oz)Build Glass front, plastic frame, plastic backSIM Single SIM (Nano-SIM) or Dual SIM (Nano-SIM, dual stand-by)DISPLAY Type TFT LCD, 90HzSize up to 6.6 inches, 105.2 cm2 (~82.3% screen-to-body ratio)Resolution up to 1080 x 2400 pixels, 20:9 ratio (~399 ppi density)PLATFORM OS Android 11, One UI Core 3.1Chipset MediaTek MT6833 Dimensity 700 (7 nm)CPU Octa-core (2x2.2 GHz Cortex-A76 & 6x2.0 GHz Cortex-A55)GPU Mali-G57 MC2MEMORY Card slot microSDXC (dedicated slot)Internal up to 64GB 4GB RAM, 128GB 4GB RAM up to 128GB 6GB RAM, 128GB 8GB RAMMAIN CAMERA Triple 48 MP, f/1.8, (wide), PDAF5 MP, f/2.2, 115˚ (ultrawide), 1/5.0", 1.12µm2 MP, f/2.4, (depth)Features LED flash, panorama, HDRVideo 1152p@30fpsSELFIE CAMERA Single 8 MP, f/2.0, (wide)Video 1080p@30fpsSOUND Loudspeaker Yes3.5mm jack YesCOMMS WLAN Wi-Fi 802.11 a/b/g/n/ac, dual-band, Wi-Fi Direct, hotspotBluetooth 5.0, A2DP, LEGPS Yes, with A-GPS, GLONASS, GALILEO, BDSNFC Yes (market/region dependent)Radio FM radioUSB USB Type-C 2.0FEATURES Sensors Fingerprint (side-mounted), accelerometer, gyro, proximity, compassBATTERY Type Li-Po 5000 mAh, non-removableCharging Fast charging 15W\*\*\*End\*\*\*    |   |
| **Smart Phone - High end – or similar spec** | NETWORK Technology GSM / CDMA / HSPA / EVDO / LTEBODY Dimensions 150.9 x 75.7 x 8.3 mm (5.94 x 2.98 x 0.33 in)Weight 194 g (6.84 oz)Build Glass front (Gorilla Glass), glass back (Gorilla Glass), aluminum frame (7000 series)SIM Single SIM (Nano-SIM and/or eSIM) or Dual SIM (Nano-SIM, dual stand-by) - for China IP68 dust/water resistant (up to 2m for 30 mins)Apple Pay (Visa, MasterCard, AMEX certified)DISPLAY Type Liquid Retina IPS LCD, 625 nits (typ)Size 6.1 inches, 90.3 cm2 (~79.0% screen-to-body ratio)Resolution 828 x 1792 pixels, 19.5:9 ratio (~326 ppi density)Protection Scratch-resistant glass, oleophobic coating True-toneWide color gamutPLATFORM OS iOS 13, up to iOS 15.5, planned upgrade to iOS 16Chipset Apple A13 Bionic (7 nm+)CPU Hexa-core (2x2.65 GHz Lightning + 4x1.8 GHz Thunder)GPU Apple GPU (4-core graphics)MEMORY Card slot NoInternal 64GB 4GB RAM, 128GB 4GB RAM, 256GB 4GB RAM NVMeMAIN CAMERA Dual 12 MP, f/1.8, 26mm (wide), 1/2.55", 1.4µm, dual pixel PDAF, OIS12 MP, f/2.4, 120˚, 13mm (ultrawide), 1/3.6"Features Dual-LED dual-tone flash, HDR (photo/panorama)Video 4K@24/30/60fps, 1080p@30/60/120/240fps, HDR, stereo sound rec.SELFIE CAMERA Dual 12 MP, f/2.2, 23mm (wide), 1/3.6"SL 3D, (depth/biometrics sensor)Features HDRVideo 4K@24/30/60fps, 1080p@30/60/120fps, gyro-EISSOUND Loudspeaker Yes, with stereo speakers3.5mm jack NoCOMMS WLAN Wi-Fi 802.11 a/b/g/n/ac/6, dual-band, hotspotBluetooth 5.0, A2DP, LEGPS Yes, with A-GPS, GLONASS, GALILEO, QZSSNFC YesRadio NoUSB Lightning, USB 2.0FEATURES Sensors Face ID, accelerometer, gyro, proximity, compass, barometer Ultra Wideband (UWB) supportBATTERY Type Li-Ion 3110 mAh, non-removable (11.91 Wh)Charging Fast charging 18W, 50% in 30 min (advertised)USB Power Delivery 2.0Qi wireless chargingMISC Colors Black, Green, Yellow, Purple, Red, WhiteModels A2221, A2111, A2223, iPhone12,1SAR 1.09 W/kg (head) 1.18 W/kg (body) SAR EU 0.95 W/kg (head) 0.99 W/kg (body) \*\*\*End\*\*\* |   |
| **Conferencing system (video conferencing system) Large Meeting Room** | DimensionsCamera:Height x Width x Depth: 5.12 in (130 mm) x 7.0 in (170 mm) x 5.40 in (138 mm)Weight: 1.31lb (585 g)Speakerphone:Height x Width x Depth: 9.5 in (240 mm ) x  2.5 in (65 mm ) x 9.5 in (240 mm )Weight: 2.68 lb (1223 g)Hub:Height x Width x Depth: 3.75 in (94 mm) x 1.3 in (34 mm) x 2.9 in (74 mm)Weight: 3.0 oz (83 g)Remote:Height x Width x Depth: 2.0 in (50 mm) x 5.0 in(120 mm) x 0.5 in (12 mm)Weight: 2.0 oz  (51 g)Wall/Table Mount:Height x Width x Depth: 8.27 in (210 mm) x 4.72 in (120 mm) x 3.9 in (99 mm)Weight: 8.99 oz (255 g)Expansion Mics (Optional):Height x Width x Depth: 3.30 in (83 mm) x 3.30 in (83 mm) x 0.83 in (21 mm)Weight: 8.0 oz 230 g)System Requirements: Windows® 10 or 11, macOS 10.10 or higher Technical SpecificationsCAMERASmooth motorized pan, tilt and zoom controlled from remote or console260° pan130° tilt10x lossless HD zoom90° field of viewFull HD 1080p 60fpsH.264 UVC 1.5 with Scalable Video Coding (SVC)Autofocus5 camera presetsFar-end control (PTZ) of Conference Cam product (with supported services)Kensington security slotVideo mute/unmute LED indicatorStandard tripod threadREMOTE CONTROLCamera, speakerphone, and call control5 camera presetsDocks on speakerphoneIR 8.5 m/28-foot rangeCR2032 battery (included)SPEAKERPHONEFull-duplex performanceAcoustic echo cancellationNoise reduction technologyUltra-wideband audioPairs with mobile devices via Bluetooth and NFCLCD for caller ID, call duration and other functional responseLEDs for speakerphone streaming, mute, hold, and BluetoothTactile buttons for call answer/end, volume and mute, Bluetooth, and camera controls5 camera presets for pan, tilt, and zoom settingsKensington security slotMICROPHONESPickup range: 6m / 20 ftPickup range with expansion mics: 8.5 m / 28 ftFour omnidirectional, beamforming microphonesFrequency response: 100Hz – 11KHzSensitivity: -28dB +/-3dBDistortion: <5% from 200HzHUB / CABLES / POWERCentral Hub connects and powers all componentsUnder-table mounting adhesive includedOne cable to camera: 5 m / 16 ftOne cable to speakerphone: 5 m /16 ftExtended cables available (10 m and 15 m)One USB cable for connection to PC/Mac (2 m / 6.6 ft)AC Power adapter with regional plugsPower cable (3 m / 9.8 ft)MOUNTDual-purpose bracket works for both wall mounting and tabletop elevation COMPATIBILITY AND INTEGRATIONSPlug-and-play USB connectivityWorks with most any video conferencing application or meetings serviceSkype for Business certifiedMicrosoft Cortana® certifiedCisco Jabber® and WebEx compatibleEnhanced integration with Logitech Collaboration Program (LCP) members, including BlueJeans, Broadsoft, LifeSize Cloud, Vidyo, and Zoom\*\*\*End\*\*\* |  |
| **Conferencing system (video conferencing system) - Small meeting room** | DimensionsMain unitHeight x Width x Depth:104 mm x 400 mm x 85 mmWeight: 1.04kgRemote ControlHeight x Width x Depth:83 mm x 83 mm x 10 mmSystem RequirementsWindows®7, Windows 8.1, or Windows 10/11macOS 10.10 or higherChrome OS™ Version 29.0.1547.70 and higherUSB 2.0 port (USB 3.0 required for 4K video)Technical SpecificationsOVERALLSuper-wide 120-degree field of view3-microphone speakerphoneOptional expansion microphone-ready4K Ultra HD video calling (up to 3840 x 2160 pixels @ 30 fps with customer-supplied USB 3.0 cable); 1080p Full HD video calling (up to 1920 x 1080 pixels @ 30 fps); 720p HD video calling (up to 1280 x 720 pixels @ 30 fps); with supported clientsAll-in-one designMotorized pan/tilt3 camera presetsBluetooth® wireless technologyRF remote controlMultiple mounting options, including table and wall mount; optional TV mount availableKensington security slotTwo extension MIC to be integrated to device that will cover medium- large meeting rooms. MICROPHONEPickup Range: 2.4 m /8’Pickup Range with Expansion Mic: 4.2 m /14’Sensitivity: -27dBMicrophone frequency response: 90Hz - 16kHz for full voice reproduction and high intelligibility without noiseFactory-paired, very low distortion broadside beamforming algorithm steers the microphones directly at the talker for the best voice pickup and noise reductionAEC (Acoustic echo cancellation)VAD (Voice activity detector)Microphone background noise suppressionPro-audio 32 kHz sampling rateSPEAKERPowerful rare-earth magnetAcoustically suspended speaker enclosureVolume adjustable to 95 dB SPL at 1/2 meter peakSpeaker sensitivity 86.5+/-3dB SPL at 1/2 meterDistortion: 200 Hz–300Hz < 3%, 3000 Hz–10KHz < 1%Peak-limiting algorithm prevents even momentary speaker clipping to prevent distortionCOMPATIBILITY AND INTEGRATIONSPlug-and-play USB connectivityWorks with most any video conferencing application or meetings serviceSkype for Business certifiedMicrosoft Cortana® certifiedCisco Jabber® and WebEx compatibleEnhanced integration with Logitech Collaboration Program (LCP) members, including BlueJeans, Broadsoft, LifeSize Cloud, Vidyo, and Zoom \*\*\*End\*\*\* |   |
| **Small (omni-directional microphone/speaker)** |  \*\*\*End\*\*\* |  |
| **Large (omni-directional microphone/speaker)** |  \*\*\*End\*\*\* |  |

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| **LOT 4 - Security Devices and Licensing** |
| \*All prices must be comprehensive and include all other costs be expressed in Euro only and exclusive of VAT. The VAT rate(s) where applicable should be indicated separately. |
| **Name**  | **Details\*** |  |
| **Mx 64W** | Technical Specifications:Network and Security ServicesStateful firewall, 1:1 NAT, DHCP, DMZ, static routingIdentity-based policiesAuto VPN™ self-configuring site-to-site VPNClient VPN (IPsec)User and device quarantineVLAN support and DHCP servicesAdvanced Security ServicesContent filtering (Webroot BrightCloud CIPA-compliant URL database)Web search filtering (including Google and Bing SafeSearch)YouTube for SchoolsIntrusion prevention (SourceFire Snort based)Cisco Advanced Malware Protection (AMP)Requires Advanced Security LicenseWAN Performance ManagementWAN link aggregationApplication level (Layer 7) traffic analysis and shapingAutomatic Layer 3 failover (including VPN connections)WAN uplink selection based on traffic typeMonitoring and ManagementWeb based management and configurationThroughput, connectivity monitoring and alertsNetwork asset discovery and user identificationBuilt-in network-wide reporting, monitoring and alertsCentralized policy managementReal-time diagnostic and troubleshooting over the webAutomatic firmware upgrades and security patchesSearchable network-wide event logsInterfacesWAN: 1 × 1 GbELAN: 4 × 1 GbE (1 optionally available for WAN connectivity)Wireless: 802.11ac WiFiUSB: 1 × USB 2.0 for 3G/4G failover (supported devices)PerformanceStateful firewall throughput: 250 MbpsVPN throughput: 100 MbpsRecommended for small branches (up to 50 users)PowerSingle 18W power supplyEnvironmentOperating temperature: 32°F to 104°F (0°C to 40°C)Humidity: 5 to 95% non-condensingWarrantyLifetime hardware warranty with advanced replacement included\*\*\*End\*\*\* |   |
|
| **Mx 64W license** | 3 year license (advanced security)\*\*\*End\*\*\* |   |
| **MX65W (small office, Up to 50 users with wireless included)** | Technical Specifications:Network and Security Services Stateful firewall, 1:1 NAT, DHCP, DMZ, static routingIdentity-based policiesAuto VPN™ self-configuring site-to-site VPNClient VPN (IPsec)User and device quarantineVLAN support and DHCP servicesAdvanced Security Services Content filtering (Webroot BrightCloud CIPA-compliant URL database)Web search filtering (including Google and Bing SafeSearch)YouTube for SchoolsIntrusion prevention (SourceFire Snort based)Cisco Advanced Malware Protection (AMP)Requires Advanced Security LicenseWAN Performance Management WAN link aggregationApplication level (Layer 7) traffic analysis and shapingAutomatic Layer 3 failover (including VPN connections)WAN uplink selection based on traffic typeMonitoring and Management Web based management and configurationThroughput, connectivity monitoring and alertsNetwork asset discovery and user identificationBuilt-in network-wide reporting, monitoring and alertsCentralized policy managementReal-time diagnostic and troubleshooting over the webAutomatic firmware upgrades and security patchesSearchable network-wide event logsInterfaces WAN: 2 × 1 GbELAN: 10 × 1 GbE (2 PoE+)Wireless: 802.11ac WiFiUSB: 1 × USB 2.0 for 3G/4G failover (supported devices)Performance Stateful firewall throughput: 250 MbpsVPN throughput: 100 MbpsRecommended for small branches (up to 50 users)Power Single 90W power supplyEnvironment Operating temperature: 32°F to 104°F (0°C to 40°C)Humidity: 5 to 95% non-condensingWarranty Lifetime hardware warranty with advanced replacement included\*\*\*End\*\*\* |  |
| **Mx 65W license** | 3 year license (advanced security)\*\*\*End\*\*\* |  |
| **Mx 85 Firewall (Medium office, Up to 250 users)** | Meraki MX 85 FirewallTechnical Specifications:Managed via Cisco Meraki DashboardAutomatic Firmware upgradesWAN Link BalancingAutomatic WAN FailoverSD-WAN over Meraki AutoVPNL3/L7 Stateful FirewallGeo based firewall rules1:1 and 1:Many NATConfigurable VLANs / DHCP supportStatic RoutingClient VPN endpointMeraki AutoVPN and L2TP/IPSec VPN endpointActive Directory integrationContent FilteringMalware Protection (AMP) w/ optional Threat Grid integrationIDS/IPS protection Custom Traffic ShapingHistorical Client Usage statisticsNetflow supportSyslog integrationRemote Packet Capture tools2 x 1 Gigabit Ethernet SFP ports dedicated for the WAN uplinks1 x RJ45 / 1 Gigabit Ethernet port dedicated for the WAN uplinks1 x RJ45 / 1 Gigabit Ethernet port with PoE+ capabilities dedicated for the WAN uplinks8 x RJ45 / 1 Gigabit Ethernet LAN ports2 x SFP / 1 Gigabit Ethernet LAN ports1 x RJ45 dedicated management port for local status page access1 x USB 3.0 port\*\*\*End\*\*\* |   |
|   |
| **Mx 85 license** | 3 year license (advanced security)\*\*\*End\*\*\* |   |
| **UniFi Access Point U6 Lite (small office)** | Table  Description automatically generatedA screenshot of a computer  Description automatically generated with medium confidenceTable  Description automatically generated |   |
| **UniFi Access Point U6 Long range (medium office)** | Table  Description automatically generatedTable  Description automatically generatedGraphical user interface, table  Description automatically generated |   |

**LOT 5 - IT infrastructure support services**

|  |  |
| --- | --- |
| Name | Details |
| Remote Senior Network Support Engineer - (Daily or hourly rate) | Remote Network support engineer with minimum 3 years of Network Infrastructure support in complex and challenging environmentGood Knowledge and troubleshooting skills of firewalling, switching and wifi on premise and in the cloud, including configuration of Azure services  |
| Remote Senior Server Support Engineer - (Daily or hourly rate) | Remote Server support engineer with minimum 3 years of Server Infrastructure support in complex and challenging environmentGood knowledge and troubleshooting skills of latest windows servers on premise and in cloud, including configuration of Azure services  |
| Remote Service Desk Support Engineer - (Daily or hourly rate) | Remote Service Desk Support with minimum 2 years experience of remote and desktop support of end users Good knowledge and troubleshooting skills of Windows endpoints including commonly installed application like AV, office etc. |

Signed: (Director) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Print Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Company Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_