



Republic of the Philippines
VISAYAS STATE UNIVERSITY
Visca, Baybay City, Leyte

PURCHASE REQUEST

PPMP No. : **PPMP-2025-092424-0063**PR No.: **GF-2024-11-03135**Date: **11-14-2024**Dept./Office: **ICTMC**Category: **IT Supplies and
Equipment**Section/End-User: **Marco L. Cabras**Funding Source: **General Fund - CO**Project Title/Code: **For ICT Equipment Upgrade**

Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	2U Rackmount Server	unit	2	400,000.00	NORMAN O. VILLAS	800,000.00

Specification:

Form Factor/Height	2U rack server
Processors	Up to 2x 3rd generation Intel® Xeon® Scalable processors, up to 40 cores, up to 270W TDP (2 Installed)
Drive Bays	Up to 20x 3.5-inch or 40x 2.5-inch drives; Up to 32x NVMe drives supported with NVMe switch adapters; 2x M.2 boot drives (RAID 1); 2x 7mm boot drives in rear (RAID 1)
Memory	32x DDR4 memory slots; Maximum 8TB using 32x 256GB 3DS RDIMMs; Supports up to 16x Intel® Optane™ Persistent Memory 200 Series modules (PMem)
Expansion Slots	Up to 8x PCIe 4.0 slots, 1x OCP 3.0 slot, 1x cabled HBA/RAID adapter that doesn't occupy a standard PCIe slot
GPUs	Up to 8x single-width GPUs or 3x double-width GPUs
Network Interface	LOM adapter installed in the OCP 3.0 slot; PCIe adapters
Ports	Front: 1x USB 3.1 G1, 1x USB 2.0 with XClarity Mobile support, 1x VGA (optional), 1x external diagnostics handset port Rear: 3x USB 3.1 G1, 1x VGA, 1x RJ-45 (management), 1x Serial port (optional)
HBA/RAID Support	SW RAID standard; optional HW RAID with/without cache or 8/16-port SAS HBAs
Power	Dual redundant power supplies (up to 1800W Platinum)
Systems Management	Lenovo XClarity Controller
OS Support	Microsoft, SUSE, Red Hat, VMware, Linux, Ubuntu

Limited Warranty	1-year and 3-year customer replaceable unit and onsite service, next business day 9x5; optional service upgrades
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2	Augmentation of Existing IP based Public Address System for VSU Main	lot	1	800,000.00	MARCO L. CABRAS	800,000.00
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Specification: Augmentation of Existing IP based Public Address System for VSU Main						
# Description				Qty		

T-7702A 7-inch Touch Screen Desktop Intercom Paging Microphone
Model

T-7702A

Network Interface

Standard RJ45 input

Support Protocol

TCP/IP,UDP,IGMP (Multicast)

Audio Format

MP3

Sampling Rate

8K~48KHz

Transmission rate

100Mbps

Audio Mode

16 bit CD quality

Display Size

7-inch

Screen Resolution

800 x 480 Pixel

Screen Type

65K Color DGUS Screen

Keyboard Type

virtual QWERTY Keyboard

Keyboard Input Type

Touch screen

Inscribed speaker impedance

and power rating

T-720R Weatherproof Aluminum Horn Speaker (15W-30W)

Model

T-720R

Rated power (100V)

15W, 30W

Rated power (70V)

7.5W, 15W

Impedance

Black-COM White-330? Green-670?

Frequency response

2 300-13KHz

50

Maximum sensitivity

118dB

Sensitivity

102dB±3dB

Protection level

IP66

Dimension

245×245×290mm

Weight

1.9Kg

Rack Mount Economic 8-zone IP Amplifier T-77500Z (500Watts)

Network Interface Standard RJ45 input

Transmission Rate 100Mbps

Support Protocol TCP/IP, UDP

Audio Format MP3

Audio Mode 16 bits CD sound quality

Sampling Rate 8KHz~48KHz

EMC Input Sensitivity 775mV (Unbalance)

AUX Input Sensitivity 350mV (Unbalance)

MIC Input Sensitivity 5mV (Unbalance)

AUX Output Amplitude 1000mV 2 RCA output

AUX Output Impedance 470?

Treble Adjustment Range ±10dB

3 Bass Adjustment Range ±10dB

15

Rated Power 500W

Standby Power <10W

Consumption

Frequency Response 80Hz~16KHz +1/-3dB

THD ?1%

SNR >65dB

Output Method 100V constant pressure output

Circuit Protection DC Output, Overload, Overtemperature,

Short Circuit Protection Circuit

Working Temperature 5?~40?

Working Environment 20% ~80% relative humidity, no condensation

Humidity

Input Power ~220V 50Hz

Dimension 484 x 359 x 132mm

3	Hard Drives for HP server Proliant DL360 Gen 10	lot	1	186,898.00	NORMAN O. VILLAS	186,898.00
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Specification:

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#	Description	Qty	Unit
1	HP 765872-001 - 1TB 7.2K RPM 12G SAS SC 512e SFF 2.5" Hard Drive for HPE Gen8 G8 Gen9 G9 G10	10	unit

4	Interactive TV	unit	20	110,350.00	JOSHUA MHEL BONCALON	2,207,000.00
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Specification:

65-inch 4K

Interactive Flat Panel

- Ultra HD display with up to 3840 × 2160 resolution of input signal available.
- 20px ultra fine writing, and 2 mm diameter recognizable with the precision of 1 mm.

- Built-in Wi-Fi projection without any cable connection.
 - Built-in interactive whiteboard system allows annotating and sharing by QR code.
 - Looping-out display available.
 - Various audio and video interfaces for device access.
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- Built-in network switch module saves a network switch.
 - Built-in Android system provides kinds of applications.
 - Compatible with OPS/OPS-C devices, realizing smooth switch between built-in systems.
 - Ultra-thin design with aluminum profile frame.
 - Stylus Pen (2)
 - Remote Control (1)
 - Wall bracket (1)

Display

Screen Size

65 inch

Backlight

DLED

Pixel Pitch

0.124 (H) × 0.372 (V) mm

Resolution

3840 × 2160@60 Hz

Brightness

350 cd/m²?Typ.?

Color Depth

10 bit

Contrast Ratio

5000 : 1 (Typ.)

Response Time

6 ms

Color Gamut

90% NTSC (CIE1931) (Typ.)

Refresh Rate

60 Hz

Viewing Angle

178° (H) / 178° (V)

Surface Haze

25%Haze

Display Area

1428.48mmx803.52mm

Working Duration

7 * 16 H

Touch

Type

Infrared touch screen

Glass

AG smooth glass

Touch Point

Max 45 point multi-touch

Touch Response Time

? 10 ms

Touch Precision

± 1 mm (? 90% touching area)

Built-in System

Operation System

Android 11

Processor

A72*2 + A53*4, 1.8 GHz

Memory

4 GB

Built-in Storage

64 GB

NIC

Built-in 1000 Mbps NIC, supporting routing; IEEE 802.11 a/b/g/n/ac with 2 × 2 MIMO, supporting both 2.4 GHz and 5GHz bands

Camera

Pixel

8 MP

Camera Function

Smart switch between Android system and OPS

Field Angle

120°(diagonal), 110°(horizontal), 66°(vertical)

Distortion

≤6%

Camera Resolution Ratio

Up to 4K

Microphone

Specification

Omni-directional 6-array layout

Mic Function

Echo reduction and smart noise-cancellation

Voice Distance

8 m

Sampling Rate

32 K

Mic Sampling Rate

16 bit

Internal Function

Loudspeaker

Built-in 2 × 16 W loudspeaker

Bluetooth

Built-in BLE (Bluetooth Low Energy) module supports Bluetooth 5.0 and previous version

Interface

Video & Audio Input

HDMI IN × 2, MAX 4K @30 Hz, LINE IN × 1

Video & audio output

HDMI OUT?HDMI 2.0? × 1, MAX 4K @60 Hz, LINE OUT × 1

Control interface

RS-232 × 1, Touch-USB × 1

Network Interface

RJ45 (1000 Mbps port) × 2

Data Transmission Interface

USB-C × 1, USB-A × 2 on front panel, USB-A × 2 on rear panel

Power

Power Consumption

? 320 W (full load)

Standby Consumption

0.5 W

General

Power

100 to 240 V, AC, 50/60 Hz

Product dimensions

1507 × 930 × 86 mm

Package Dimensions (W × H × D)

1687 × 1061 × 234 mm

Net Weight

40.36 kg

Gross Weight

50.69 kg

Lifespan

50000 hours

Working Environment
Working Temperature
0 ? to 40 ? (32 ? to 104 ?)
Working Humidity
10% to 90% RH

5	Laptop for Web Development	unit	10	85,000.00	JOSHUA MHEL BONCALON	850,000.00
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Specification: Operating System Windows 11 Pro Processor Intel® Core™ i7-1355U Graphics Intel® Iris® Xe Graphics Display 16" WUXGA Memory 16GB (2x 8GB 3200MHz DDR4) Storage 512GB M.2 PCIe NVMe SSD Speakers Stereo speakers, 2W x2, Dolby® Atmos Microphone Dual-microphone array, Dolby® Voice Camera FHD 1080p + IR hybrid, with privacy shutter, fixed focus FHD 1080p, with privacy shutter, fixed focus HD 720p, with privacy shutter, fixed focus Ethernet Gigabit Ethernet, Intel® Ethernet Connection I219-V, 1x RJ-45,supports Wake-on-LAN
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	TOTAL					4,843,898.00
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Purpose: For ICT-MIS use

Checked by:		Funds Available:	
NORMAN O. VILLAS		ALICIA M. FLORES	
TWG - IT Supplies and Equipment		HEAD, BUDGET OFFICE	
Signature:	Prepared by:	Noted by:	Approved by:
Printed Name:	MARCO L. CABRAS	SEAN O. VILLAGONZALO	PROSE IVY G. YEPES
Designation:		UNIT HEAD, PROJECT LEADER	PRESIDENT, VSU

Working Environment

Working Temperature

0 ? to 40 ? (32 ? to 104 ?)

Working Humidity

10% to 90% RH

5	Laptop for Web Development	unit	10	85,000.00	JOSHUA MHEL BONCALON	850,000.00
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Specification:

Operating System Windows 11 Pro

Processor Intel® Core™ i7-1355U

Graphics Intel® Iris® Xe Graphics

Display 16" WUXGA

Memory 16GB (2x 8GB 3200MHz DDR4)

Storage 512GB M.2 PCIe NVMe SSD

Speakers Stereo speakers, 2W x2, Dolby® Atmos

Microphone Dual-microphone array, Dolby® Voice

Camera FHD 1080p + IR hybrid, with privacy shutter, fixed focus

FHD 1080p, with privacy shutter, fixed focus

HD 720p, with privacy shutter, fixed focus

Ethernet Gigabit Ethernet, Intel® Ethernet Connection I219-V, 1x RJ-45, supports Wake-on-LAN

	TOTAL					4,843,898.00
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Purpose: For ICT-MIS use

Checked by:  NORMAN O. VILLAS		Funds Available:  ALICIA M. FLORES ^{MIS} _{SD-25}	
TWG - IT Supplies and Equipment		HEAD, BUDGET OFFICE	
Signature:	Prepared by:  MARCO L. CABRAS	Noted by:  SEAN O. VILLAGONZALO	Approved by:  PROSE IVY G. YEPES ⁹
Printed Name:		UNIT HEAD, PROJECT LEADER	PRESIDENT, VSU
Designation:			