

## Goodlettsville Police Department - Twenty-two (22) laptops

Rugged construction to include 3 foot drop, shock, vibration, dust, sand, altitude, high/low temperatures, temperature shock, humidity, spill resistant keyboard	
Audio Input / Type	4-microphone array
Display/Diagonal Size	14 in
Display/Native Resolution	1366 x 768
Display/Type	LED
Hard Drive/Capacity	512 GB
Input Device/Type	87 keys keyboard, Touchpad - <i>with Emissive backlit keyboard</i>
Networking/Data Link Protocol	802.11ax, Bluetooth 5.1, Ethernet, Fast Ethernet, Gigabit Ethernet, IEEE 802.11a, IEEE 802.11ac, IEEE 802.11ax (Wi-Fi 6), IEEE 802.11b, IEEE 802.11g, IEEE 802.11n
Networking/Wireless Protocol	802.11a/b/g/n/ac/ax, Bluetooth 5.1
Optical Storage/Drive Type	No optical drive
Optical Storage/Type	None
OS Provided/Type	Windows 10 Pro 64-bit Edition
Processor/Generation	11
Processor/Manufacturer	Intel
Processor/Number of Cores	Quad-Core
Processor/Processor Number	I5-1145G7
Processor/Type	Core i5
RAM/Memory Speed	3200 MHz
RAM/Technology	DDR4 SDRAM
Service & Support/Type	3-year warranty, <i>with 3-year bumper-to-bumper warranty</i>
System/Hard Drive Capacity	512 GB
Video Output/Graphics Processor	Intel Iris Xe Graphics
<b>Power</b>	
AC Adapter Input	AC 100-240 V
DC Adapter Input	<i>If laptops are not Panasonic, need LIND adapter s</i>
<b>Audio &amp; Video</b>	
Camera	Yes - 1080p
Camera Features	Privacy shutter, IR camera, Windows Hello
Compliant Standards	High Definition Audio
Graphics Processor	Intel Iris Xe Graphics
Max Monitors Supported	4 external monitor(s)
Sound	Stereo speakers, 4-microphone array

<b>Battery</b>	
Capacity	6500 mAh
Max Supported Qty	2 – <i>one battery supplied with each laptop</i>
Run Time	Up to 19 hours
Technology	Lithium ion
<b>Communications</b>	
Bluetooth Class	Class 1
Features	Dual pass-through antenna
Network Interface	Gigabit Ethernet
Wireless	802.11 a/b/g/n/ac/ax, Bluetooth 5.1 – Broadband (WWAN), Sierra Wireless EM7511
Wireless Controller	Intel Wi-Fi 6 AX 201
<b>Connections &amp; Expansion</b>	
Interfaces	Dock, USB 3.2 Gen 2, USB 3.2 Gen 1, HDMI, LAN (RJ-45), Headphone/microphone combo jack
Memory Card Reader	Yes (microSD, microSDHC, microSDXC, microSDXC UHS)
Slots	1 x Nano-SIM card
<b>Display</b>	
Features	Direct Bonding technology, day/night mode, concealed mode
LCD Backlight Technology	LED backlight
Resolution	1366 x 768 (HD)
Type	14" - IPS
Input	Programmable buttons, volume control, spill-resistant, multi- touch, touchpad, electro-static touchpad