

Computer System Specification Sheet (Minimum)

1. Computer System

Processor

FEATURES	SPECIFICATIONS
Processor type	10 th Generation Intel Core i5 series
Total cache	8 MB cache

Memory

FEATURES	SPECIFICATIONS
Type	DDR3
Speed	1600 MHz
Memory	8 GB

Video

FEATURES	SPECIFICATIONS
Integrated	Intel HD Graphics 530

Storage

FEATURES	SPECIFICATIONS
SSD	512 GB

Drive

FEATURES	SPECIFICATIONS
DVD Drive	DVD+RW

Network.

FEATURES	SPECIFICATIONS
Ethernet	Ethernet capable of 10/100/1000 Mb/s communication

System information

FEATURES	SPECIFICATIONS
System chipset	Intel 100 series, Q170
BIOS chip (NVRAM)	16 MB

Expansion bus

FEATURES	SPECIFICATIONS
Bus type	PCIe gen3, USB 2.0, and USB 3.0
Bus speed	PCI Express:

	x1 slot each direction speed- up to 985 MB/s x4 slot each direction speed- up to 3.94 GB/s x16-slot each direction speed-16 GB/s
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Cards

FEATURES	SPECIFICATIONS
PCI	One full-height card
One full-height card	One full-height card
PCI Express x16	Up to two full-height cards

External connectors.

FEATURES	SPECIFICATIONS
Audio (Front Panel)	Universal Audio Jack
Audio (Back Panel)	Line-out connector
Network adapter	RJ-45 connector
USB 2.0	Front panel: two Back panel: two
USB 3.0	Front panel: two Back panel: two
Video	19-pin HDMI connector Two 20-pin DisplayPort connectors

a. Display Monitor

Display

FEATURES	SPECIFICATIONS
Size Class	23.5 Inches
Panel Type	IPS
Panel bit depth	8 bits (6 bits + FRC)
Colors	16777216 colors 24 bits
Aspect ratio	16:9
Resolution	1920 x 1080 pixels Full HD / 1080p
Pixel density	92 ppi (pixels per inches) 36 ppcm (pixels per centimeters)
Display area	90%

Item specification sheet

Backlight	W-LED
Brightness	250 cd/m ²
Static Contrast	1000:1
Horizontal viewing angle	178 degrees
Vertical viewing angle	178 degrees
Minimum response time	6 milliseconds
Average response time	14 milliseconds
Coating	Glossy
Connectivity	1 x HDMI 1 x D-sub (VGA)
Power	220 V – 240 V

b. Keyboard

FEATURES	SPECIFICATIONS
Device Type	Keyboard
Connectivity Technology	Wired (~ 6 ft)
Interface	USB
Key Style	Chiclet
Color	Black
Hot Keys Function	Volume, mute, play/pause, backward forward
OS support	Windows 7, Windows 8.1, Windows 10, Windows 11, Ubuntu, Chrome, and Android
Key arrangement	US International (QWERTY)

c. Mouse

FEATURES	SPECIFICATIONS
Device Type	Mouse
Color	Black
Connectivity Technology	Wired – USB
Cable length	6 ft
Movement detection technology	Optical
Movement resolution	1000dpi

Printer Specification Sheet (Minimum)

2. Printer

FEATURES	SPECIFICATIONS
General	<ul style="list-style-type: none"> • LCD Display (Minimum 1 line) • Monthly Duty cycle (50,000 Pages) • Recommend Monthly Print volume (About 3,500 Pages) • Standard Memory (256MB) • Toner Save Mode (Yes)
Functions	<ul style="list-style-type: none"> • Print • Scan • Copy
Paper Handling	<ul style="list-style-type: none"> • Duplex printing capability • Media Type: Plan, Envelopes, Labels, Recycled paper, Color Paper, Letterhead • Multi-purpose Tray Capacity (50 Sheet) • Output Paper Capacity (150 Sheets) • Paper Handling Size – Duplex printing (letter, legal) • Paper Handling Size – Multi Purpose Tray (Letter, Legal, Executive, A4, A5, A6) • Standard paper input capacity (250 Sheet)
Print	<ul style="list-style-type: none"> • Automatic Duplex printing • Black Print Speed (42 Page per minutes) • CPU Speed (800 MHz) • First page Out Time (Maximum 8 seconds) • Printing Resolution (1200 x 1200 dpi) • Printing Technology (B/W Laser) • Printer Driver Support (Windows, Linux)
Copy	<ul style="list-style-type: none"> • Monochrome • Duplex Copy • 600 dpi
Scan	<ul style="list-style-type: none"> • Monochrome • Duplex Scan
Connectivity	<ul style="list-style-type: none"> • Standard Interface (USB 2.0 and Ethernet) • Support Network Protocol (IPv4) and (IPv6)

Power	<ul style="list-style-type: none">• Power Source (AC 220V 50/60Hz)• Machine Noise (Reading 34dB)• Machine Noise (Printing 52dB)• Operating Environment: Humidity (20% to 80% without condensation)• Operating environment: Temperature 50-90 Degrees F
Security Features	<ul style="list-style-type: none">• Security Function: Security Function Lock, Enterprise Security, Lock Slot, Security Print

IP Phone Specification Sheet (Minimum)

3. Session Initiation Protocol (SIP) IP Phone

FEATURES	SPECIFICATIONS
Audio Features	<ul style="list-style-type: none"> • Codec: Opus, G.722, G.711(A/μ), G.729AB, G.726, iLBC • DTMF: In-band, Out-of-band (RFC 2833) and SIP INFO • Full-duplex hands-free speakerphone with AEC • VAD, CNG, AEC, PLC, AJB, AGC
Phone	<ul style="list-style-type: none"> • 1 VoIP account • Call hold, mute, DND • One-touch speed dial, hotline • Call forward, call waiting, call transfer • Group listening, SMS • Redial, call return, auto answer • Local 3-way conferencing • Direct IP call without SIP proxy • Ring tone selection/import/delete • Set date time manually or automatically • Dial plan • XML Browser, action URL/URI • Integrated screenshots • RTCP-XR • Enhanced DSS Key
Directory	<ul style="list-style-type: none"> • Local phonebook up to 1000 entries • Blacklist • XML remote phonebook • Smart dialing • Phonebook search/import/export • Call history: dialed/received/missed/forwarded
IP-PBX Features	<ul style="list-style-type: none"> • Anonymous call, anonymous call rejection • Hot-desking, emergency call • Message Waiting Indicator (MWI)

	<ul style="list-style-type: none"> • Voice mail, call park, call pickup • Intercom, paging, music on hold • Call completion • Flexible seating • Executive and Assistant • Centralized call recording • Visual Voice Mail
Display and Indicator	<ul style="list-style-type: none"> • 132x64-pixel graphical LCD • LED for call and message waiting indication • Intuitive user interface with icons and soft keys • Multilingual user interface • Caller ID with name and number • Power saving
Feature Keys	<ul style="list-style-type: none"> • 6 features keys: message, headset, redial, tran, mute, hands-free speakerphone • 5 navigation keys • Volume control keys
Interface	<ul style="list-style-type: none"> • 2 x RJ45 10/100M Ethernet ports • Power over Ethernet (IEEE 802.3af) • 1 x RJ9 (4P4C) handset port • 1 x RJ9 (4P4C) headset port
Other Physical Features	<ul style="list-style-type: none"> • Wall mountable • Power consumption (PSU): 0.9-1.3W • Power consumption (PoE): 1.2-1.8W • Operating humidity: 10~95% • Operating temperature: -10~50°C (+14~122°F)
Management	<ul style="list-style-type: none"> • Configuration: browser/phone/auto-provision • Auto provision via FTP/TFTP/HTTP/HTTPS • Auto-provision with PnP • Phone lock for personal privacy protection • Reset to factory, reboot • Package tracing export, system log
Network and Security	<ul style="list-style-type: none"> • SIP v1 (RFC2543), v2 (RFC3261) • Call server redundancy supported • NAT traversal: STUN mode

	<ul style="list-style-type: none"> • Proxy mode and peer-to-peer SIP link mode • IP assignment: static/DHCP • HTTP/HTTPS web server • Time and date synchronization using SNTP • UDP/TCP/DNS-SRV (RFC 3263) • QoS: 802.1p/Q tagging (VLAN), Layer 3 ToS DSCP • SRTP for voice • Transport Layer Security (TLS) • HTTPS certificate manager • AES encryption for configuration file • Digest authentication using MD5/MD5-sess • IEEE802.1X • IPv6 • LLDP/CDP/DHCP VLAN • ICE
Package Content	<ul style="list-style-type: none"> • SIP Phone • Handset with handset cord • Ethernet Cable (1.5m CAT5E UTP Cable) • Stand • Quick Start Guide • Power Adapter
<p>Note: Phone must support for 3CX phone system.</p>	