

Aprobat,

Director General,

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### **Caiet sarcini achizitie sisteme PC Brand si notebook**

Mai jos sunt detaliate caracteristicile tehnice minimale necesare pentru sistemele PC Brand si laptop care vor fi achizitionate:

#### **1.Sistem PC Brand:**

Desktop Dell OptiPlex 3060 MT Intel Core Coffee Lake (8th Gen) i5-8500 1TB 8GB Win10 Pro 64bit, Tastatura+Mouse

#### **Procesor:**

Recomandat pentru	Midsize Office
Numar procesoare	1
Producator	Intel
Procesor	Intel® Core™ i5-8500
Socket	FCLGA1151
Nucleu	Coffee Lake
Familia	Core i5 8th gen
Model	i5-8500
Numar nuclee	6
Numar thread-uri	6
Frecventa	3 GHz
Frecventa turbo max.	4.1 GHz
Intel Smart Cache	9 MB
Tehnologie de fabricatie	14 nm
Max TDP	65 W
Grafica integrata	UHD 630

#### **Memorie:**

Tip RAM	non-ECC
Capacitate RAM	8GB
Tip	DDR4
Frecventa	2666 MHz
Slot 1	8GB

**Stocare:** HDD

Capacitate stocare	1TB
Interfata	SATA
Viteza de rotatie	7200 rpm

**Placa Video:**

Tip	Integrata
Producator	Intel
Familie	GMA
Model	UHD 630 DirectX® 12, Open GL 4.4

**Unitate optica**

Tip	Da DVD-RW
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**Placa De Baza**

Porturi:	1 x DisplayPort 1 x HDMI  1 x Line-Out 1 x Mufa universala audio 1 x RJ- 45 2 x USB 2.0 2 x USB 2.0 Type-A 4 x PCIe Card 4 x USB 3.1 Gen 1
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**Carcasa Si Sursa**

Tip	MT
Dimensiune	154 x 274 x 350 cm
Greutate	7.93 kg
Putere sursa	260 W
Eficienta	85 %

**Conectivitate**

LAN	10/100/1000 Mbps
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**Software**

Sistem de operare	<b>Win 10 Pro preinstalat, 3 partitii (C: 100Gb, D: 400Gb, E: 500Gb)</b>
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Versiune	64 bit
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**Diverse**

Periferice	Tastatura + Mouse
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**2. Monitor:**

Dell SE 2216H, Monitor 21.5 inch 12ms black

Garantie comerciala:	36 luni
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Garantie de conformitate:	24 luni
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**General**

Recomandat pentru	Multimedia
Tip panel	VA
Diagonala	21.5 inch
Suprafata	LED backlit
Rezolutie	1920 x 1080 pixeli
Aspect Ratio	16:9
Unghi de vizibilitate	178/178 grade
Dimensiune punct	0.248 mm
Luminozitate	250 cd/mp
Standarde	Energy Star 6.0

Contrast	3000:1 (normal) 8.000.000:1 (dynamic)
Putere consumata	24 W (normal) 0.3 W (standby)
Dimensiuni	Cu suport: 506.2 x 395.7 x 179.9 mm Fara suport: 506.2 x 302.7 x 54.7 mm
Greutate	Fara suport: 2.78 kg
Montare perete	Fara VESA
Plug and play	Da
Accesorii incluse	Cablu VGA
Altele	Kensington lock
<b>Caracteristici Superioare</b>	
Refresh Rate	60 Hz
Interfata	
HDMI	1
VGA	1

### **3. Software:**

**Microsoft Office Professional 2013 (inclusiv pentru laptop/notebook):** Word, Excel, PowerPoint, OneNote, Outlook, licenta nelimitata, transferabil, 32/64 bit

### **4. Laptop/notebook**

Laptop Lenovo V330-15IKB cu procesor Intel® Core™ i5-8250U pana la 3.40 GHz, Kaby Lake R, 15.6", Full HD, 8GB, 1TB + 128GB SSD, DVD-RW, FPR, Intel® UHD Graphics 620, Microsoft Windows 10 Pro, Iron Gray

#### **Procesor**

Producator procesor	Intel®
Tip procesor	i5
Model procesor	8250U
Arhitectura	Kaby Lake R
Numar nuclee	4
Frecventa nominala	1600 MHz
Cache	6144 KB
Frecventa Turbo Boost	3400 MHz
Tehnologie procesor	14 nm
Procesor grafic integrat Intel® UHD Graphics 620	

#### **Display**

Diagonala display	15.6 inch
Format display	Full HD
Tehnologie display	LCD LED
Finisaj display	Anti-Glare
Rezolutie	1920 x 1080

## Memorie

Capacitate memorie 8 GB  
Tip memorie DDR4  
Frecventa 2400 MHz

## Hard disk

Tip stocare HDD + SSD  
Capacitate stocare 1 TB+ 128 GB

## Placa video

Tip placa video Integrata  
Chipset video Intel UHD

## Multimedia

Unitate optica Da  
Camera WEB 720p HD  
Audio Difuzoare stereo Microfon  
Dolby® Audio™

## Conectivitate & Porturi

Porturi 1 x HDMI 1 x VGA 2 x USB 3.0 1 x RJ-45 1 x USB 3.1 type C  
Cititor de carduri SDXC MMC  
Retea 10/100/1000  
Wireless 802.11 ac  
Versiune Bluetooth 4.1

## Caracteristici generale

Tastatura numerica Da  
Greutate 2.1 Kg  
Dimensiuni (W x H x D) 387 x 22.3 x 253 mm  
Limba tastatura Tastatura EN/UK  
Securitate Cititor de amprenta  
Caracteristici cheie Camera web  
Culoare Gri

## Software

Sistem de operare Microsoft Windows 10 Pro

Sef Serviciu Administrativ,

Stan Adrian

