## STKI 2020

Volume 2 v3

# Israeli IT Market Study

(Hardware-Infrastructure)









## Manufacturers/Software Houses, Distributors, VARs NO double bookings for IT Market Size Forecasts





Resellers (VARs) get credit only for their value added unless the manufacturer/software house is not present in Israel, then they get full credit.

Integrators and other Value Added Service Providers get credit only for the "services-work" they contributed to the project.



DISTRIBUTORS (usually are not shown in our study) are intermediary reseller entities; between the original MANUFACTURERS OF HARDWARE PRODUCTS or SOFTWARE HOUSES and other entities in the distribution channel (VARs and INTEGRATORS).

VALUE-ADDED RESELLERS (VARs) offer third party software and hardware to the end user or integrators at a markup, along with a <u>limited</u> combination of procurement consulting, configuration, and customization services (shown under HARDWARE or SOFTWARE)

INTEGRATORS offer <u>professional's services</u> (consulting, developing, implementing or sourcing manpower) in order to deliver enterprise computer services to the organization. (shown under VALUE ADDED SERVICES).

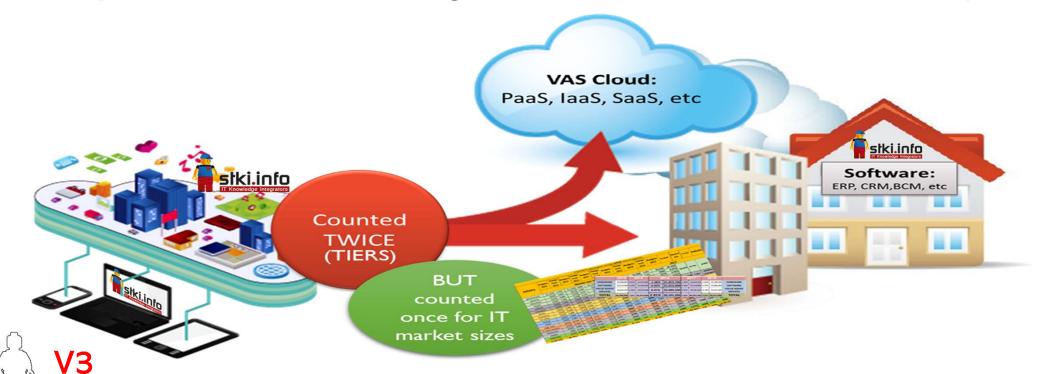


## for SaaS products "sold" on the cloud STKI "books twice"

5

- on-premises software category
- on the SaaS application category

(but NO double bookings for the IT Market Size Forecasts)



6



The Area a company occupies in the circle is not relevant and has no meaning.

STKI has signed NDAs with the vendors (revenues, projects) and we tried to minimize opportunities for backward engineering of the data.

Tier One Companies Smaller Companies Small Boutique company or department

STKI ranks vendors by REVENUE and CLIENT MINDSHARE

STKI calculates market sizes by revenues/sales and not deliveries or invoices











## "Israeli Positioning" slides

This is NOT a technological or functional positioning and SHOULD NOT be used as such.

This positioning is intendended to reflect

**ONLY THE DEGREE** 

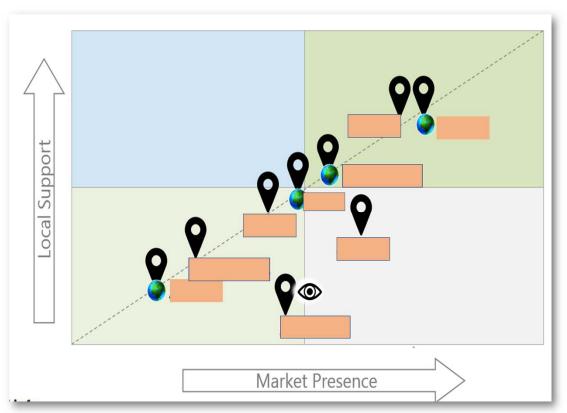
to which a product is

PRESENT AND SUPPORTED IN ISRAEL





#### Israeli Product Positioning Slides



#### **Global leaders**

according to international analyst firms



#### Vendors to watch

New players that only recently entered the market and therefore cannot be evaluated against longtime players

## (Local Support):

Y axis

Number and quality of support experts, it's localization and language support and if there is local R&D



Installed base; New sales; Mindshare



### Methodology for "Israeli Positioning"

10

is NOT a technological or functional positioning and SHOULD NOT be used as such. This positioning is intendent to reflect ONLY THE DEGREE to which a product is PRESENT AND SUPPORTED IN ISRAEL

Focused on the enterprise sector (not SMB)

- X axis (Market Presence): Installed base; New sales; Mindshare
- Y axis (Local ISRAELI Support):
  Number and quality of Sis; localization; local R&D





Vendors to watch: New players that only recently entered the market and therefore cannot be evaluated against longtime players



Global leaders: marked according to international analyst firms



#### This market study was compiled in the midst of two crises:

11

This period is characterized by an exceptional level of uncertainty regarding the depth of each of the crises, their length, and ramifications for the medium and long terms.

- 1. Government crisis: Due to the political deadlock Israel doesn't have a budget for the second year in a row. Despite that fact, there will be a marked growth of government expenditures and a decline in tax revenues. With the outbreak of the economic crisis, this budget is totally inadequate. A new government has been established but there is uncertainty regarding the policy steps that will be taken in various areas (with and without connection to the coronavirus crisis) and about their impacts on growth, employment, inflation.,
- 2. Coronavirus crisis: A recession seems inevitable, but its depth and duration are highly uncertain, it will depend on the evolution of the disease, the severity and duration of the restrictive measures imposed, and on the nature and magnitude of the economic policy response. The number of unemployed is expected to jump from some 157,000 in 2019 to over 1,250,000 and the numbers of those eligible for unemployment benefits will jump from 75,000 to about 900,000. The Israeli economy and public is experienced in coping with various types of shocks.



#### STKI IT market study looks at two "POST-COVID19 Transformations":

Moderate case (forecast 1) considers effects to the Israeli IT market if the pandemic subsides during Q32020

Severe case (forecast 2) looks at the Israeli IT Market if concerns persist until there is a vaccine in 2021or 2022





#### Israeli IT Hardware/ Infrastructure Market

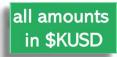


2018	changes	2019	changes	2020	changes	2021	
1,734,150	1.87%	1,766,500	1.24%	1,788,450	4.67%	1,872,000	

### FORECAST VERSION ONE



2019	changes	2020	changes	2021	changes	2022	
1,766,500	-0.40%	1,759,500	4.04%	1,830,500	4.29%	1,909,000	



#### **FORECAST VERSION TWO**

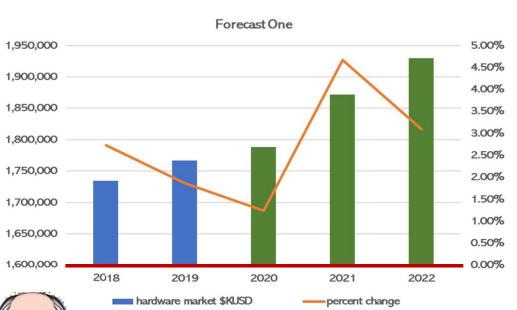


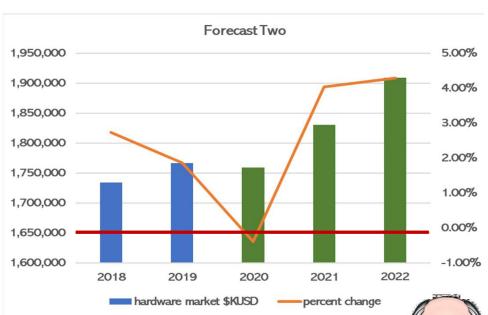


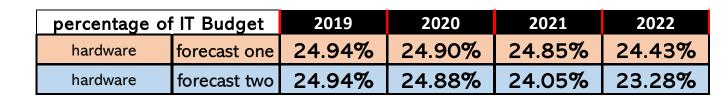


## Comparison of Forecasts for Hardware/Infrastructure Market 2017-2022



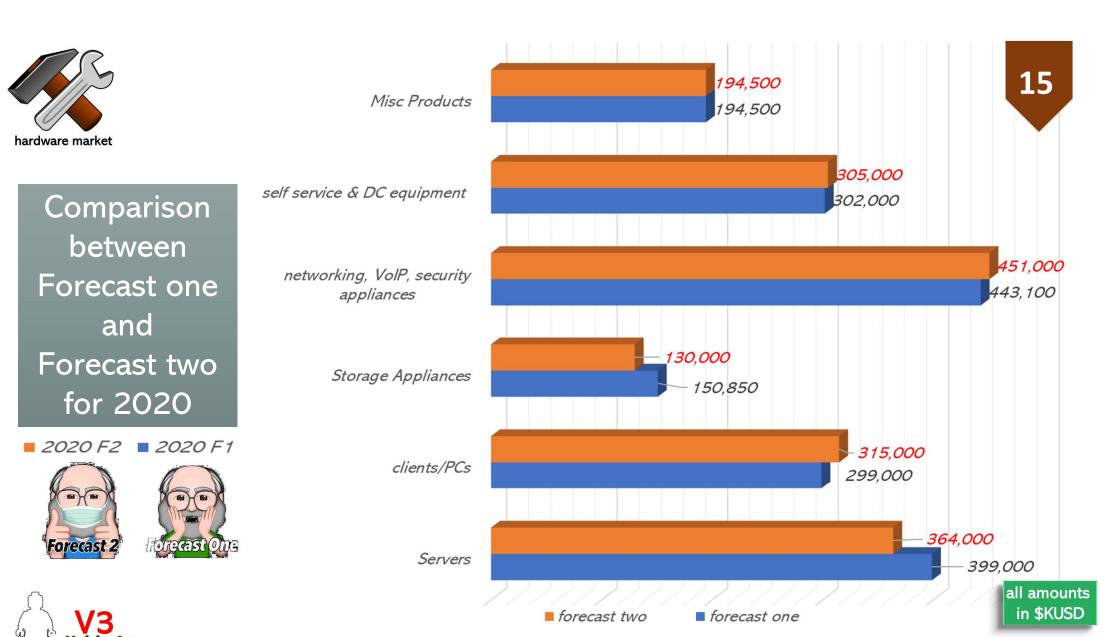


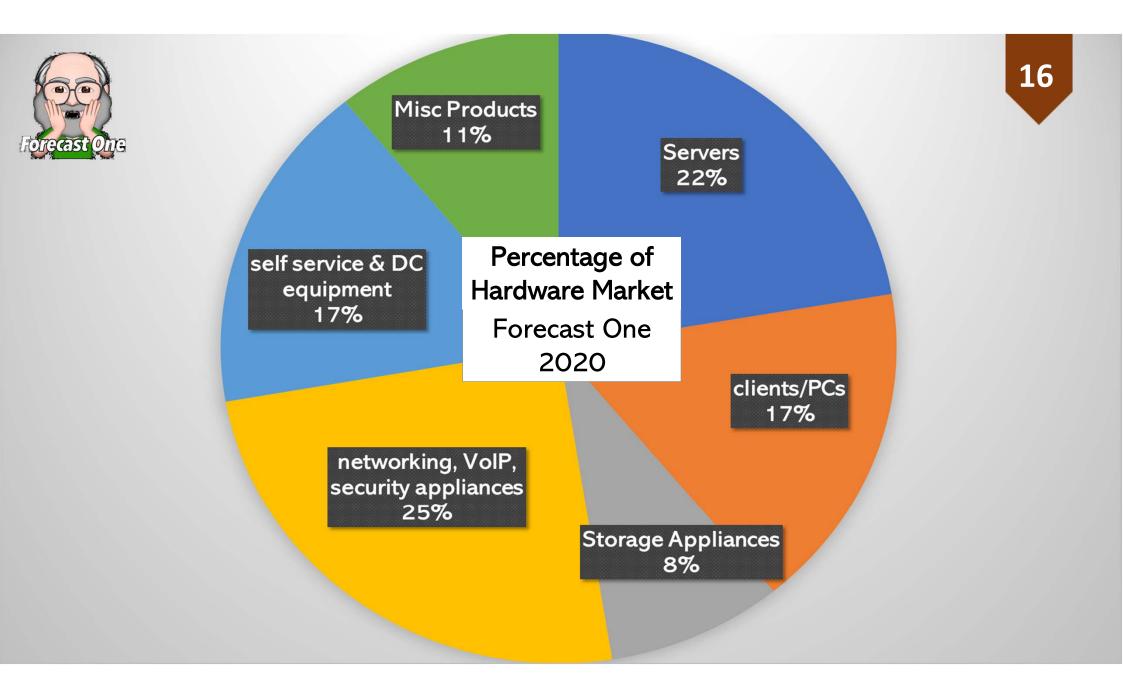


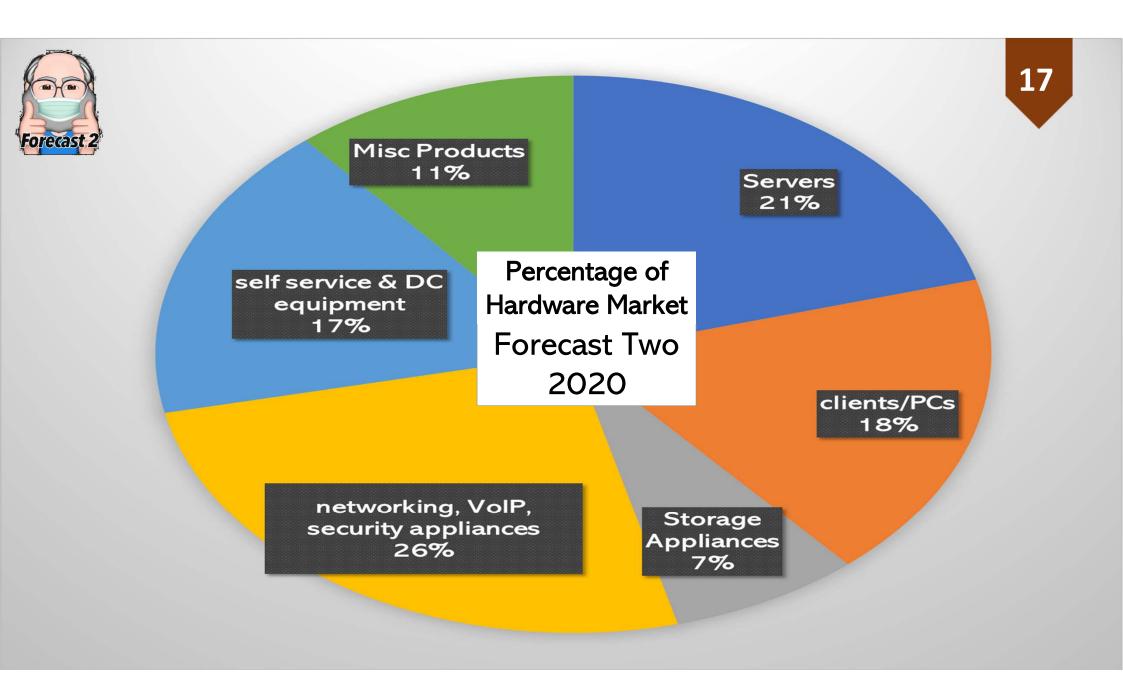


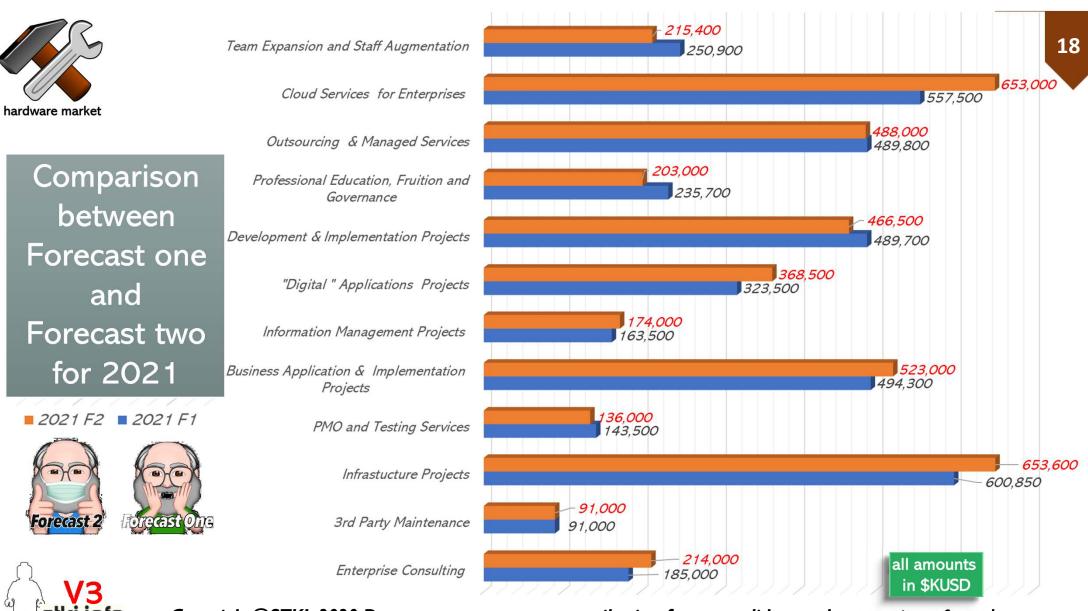


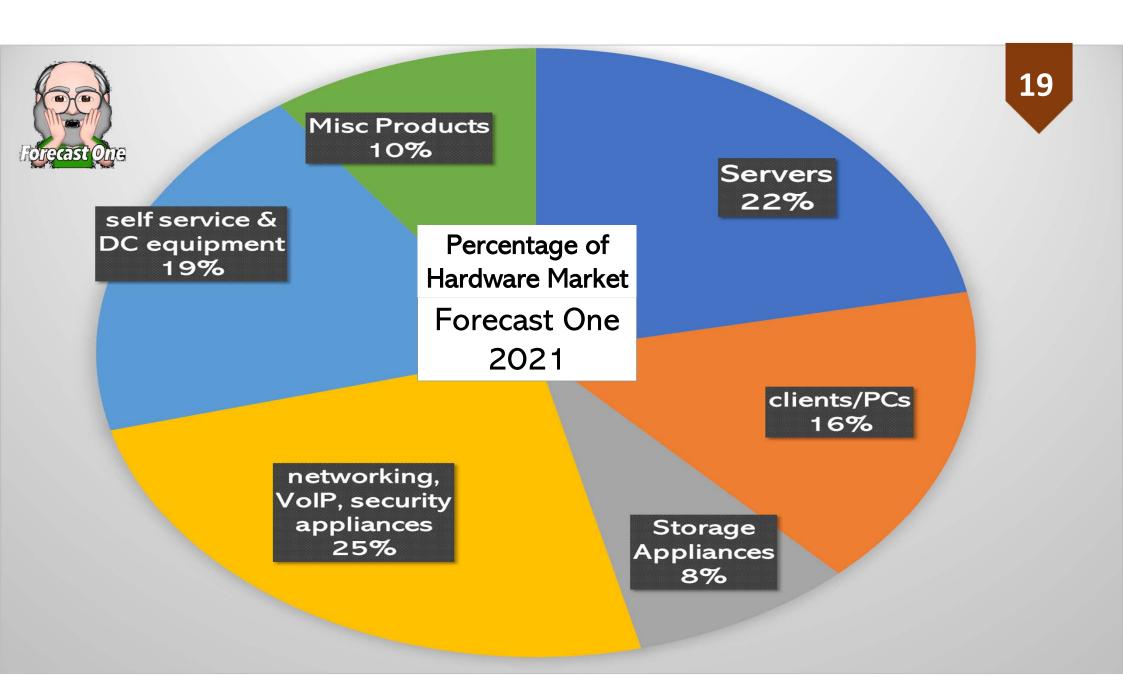


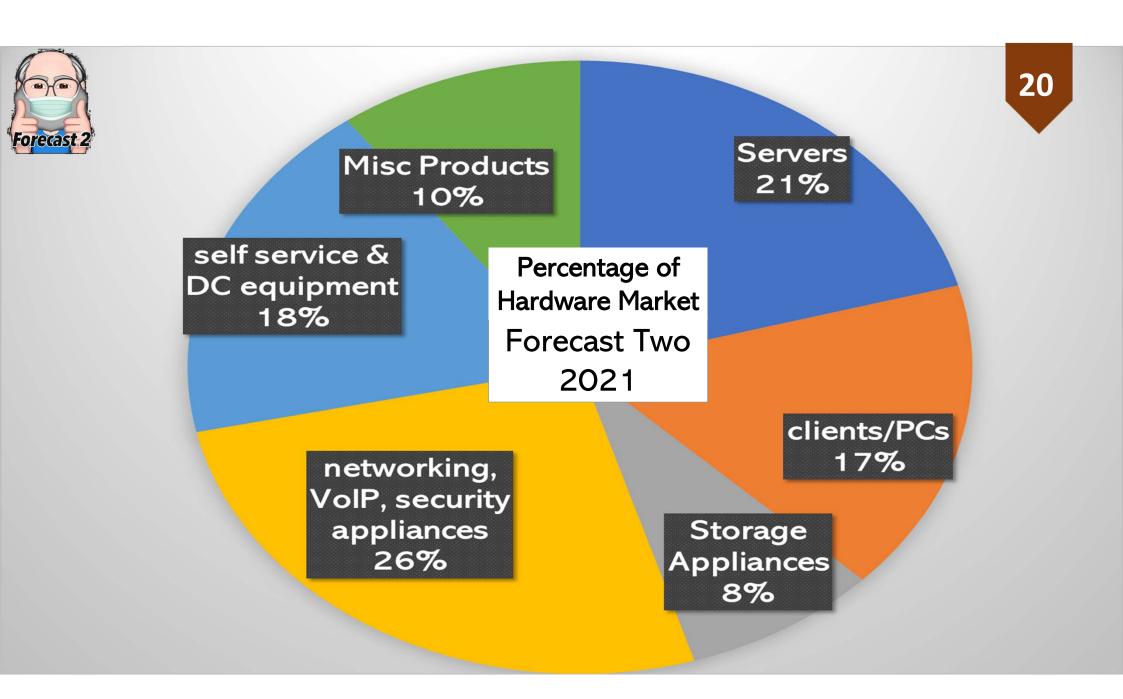












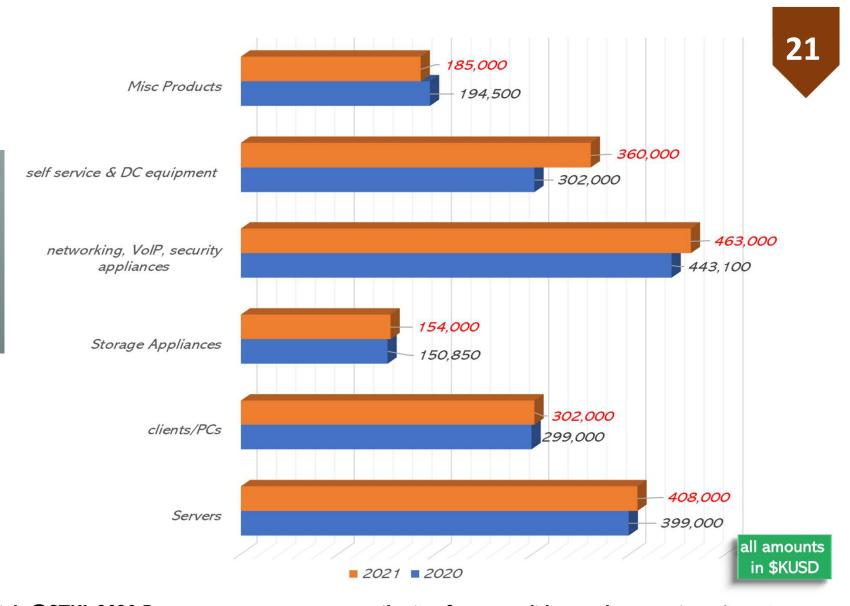


Comparison between 2020 & 2021 using Forecast one





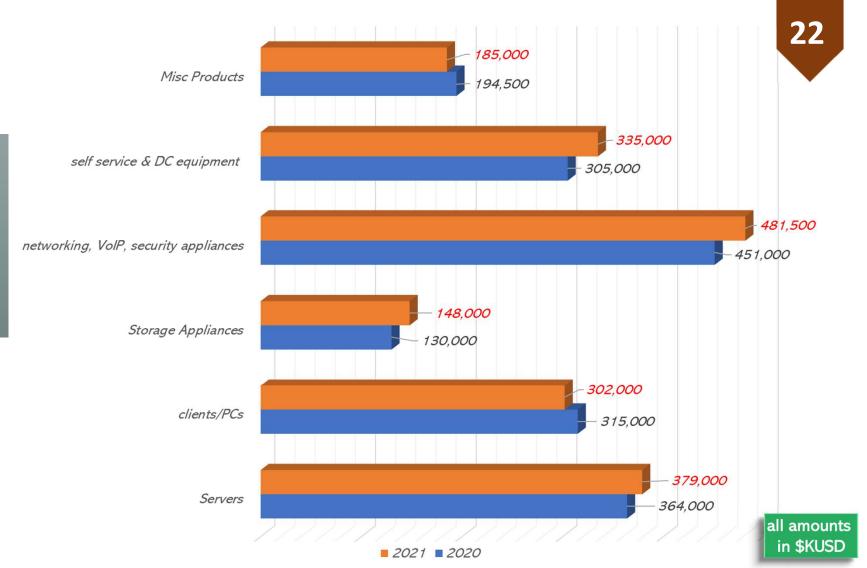






Comparison
between
2020 & 2021
using
Forecast two









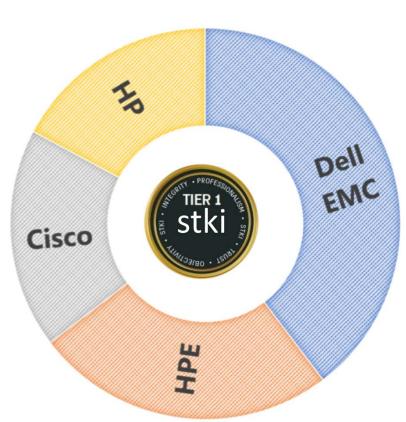
#### **TOP VENDORS: Hardware Markets**

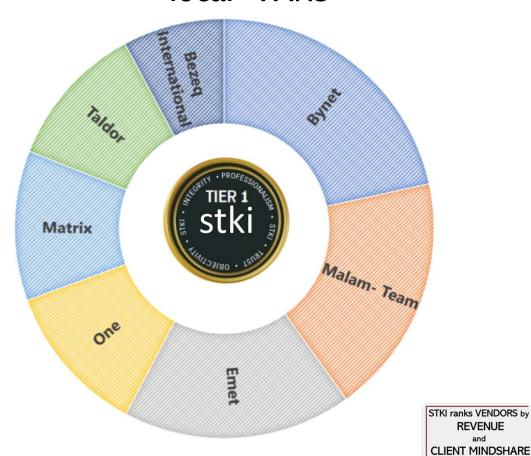


**REVENUE** 

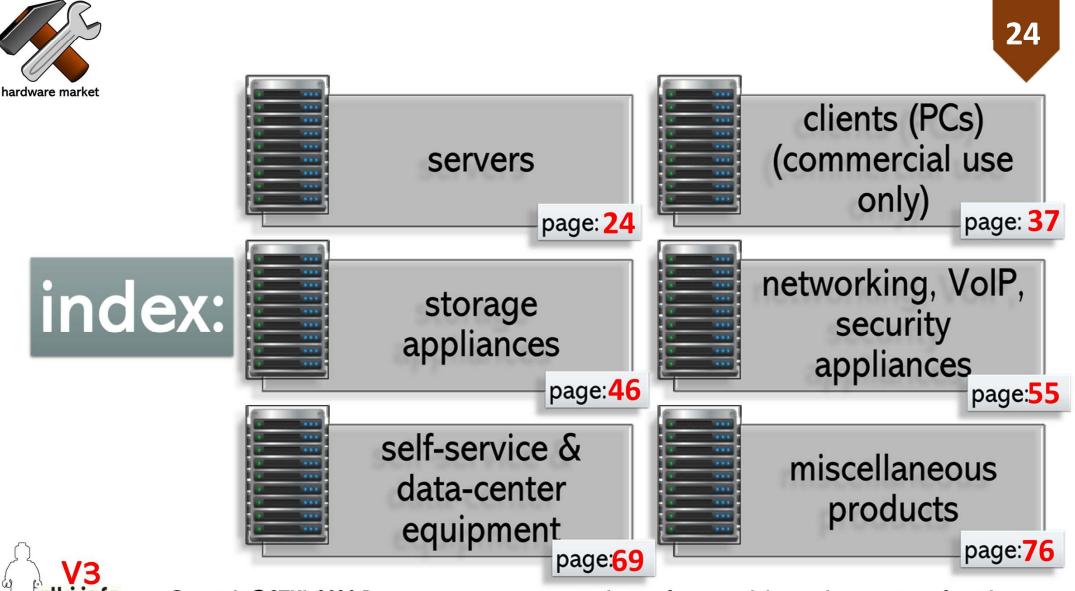
#### manufacturers

#### local VARS



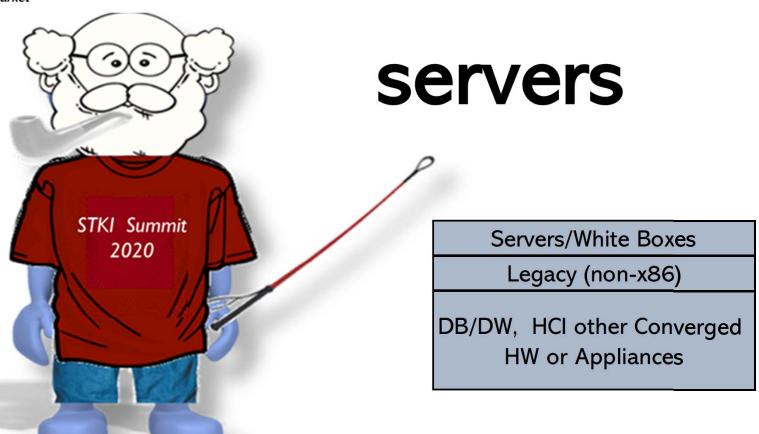








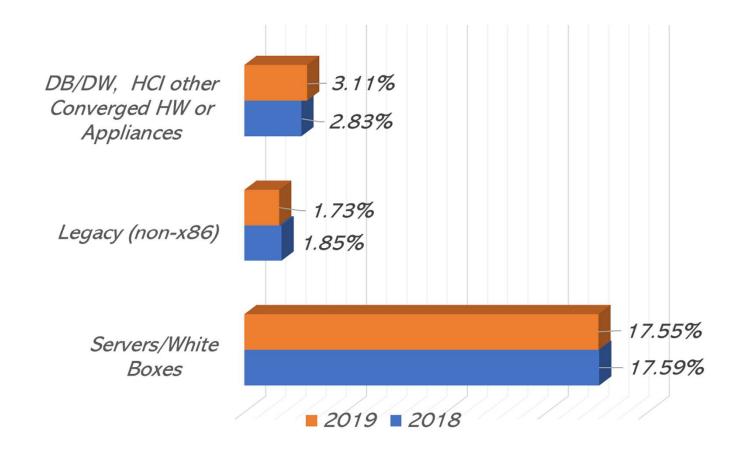






#### Servers as a Percentage of Hardware Market







Hisorial Date





#### servers

	2018		2019		2020		2021
Servers/White Boxes	305,000	1.64%	310,000	1.61%	315,000	1.90%	321,000
Legacy (non-x86)	32,000	-4.69%	30,500	-14.75%	26,000	-15.38%	22,000
DB/DW, HCl other Converged HW or Appliances	49,000	12.24%	55,000	5.45%	58,000	12.07%	65,000
total	386,000	2.46%	395,500	0.88%	399,000	2.26%	408,000

### FORECAST VERSION ONE



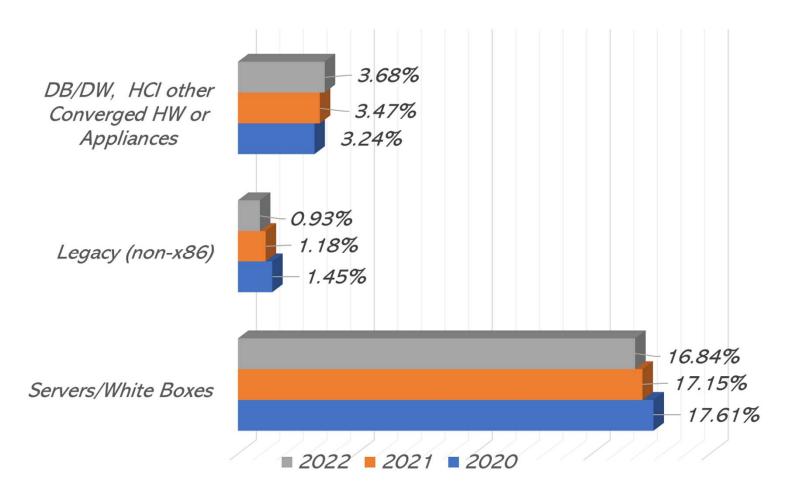






#### Servers as a Percentage of Hardware Market











#### servers



#### FORECAST VERSION TWO

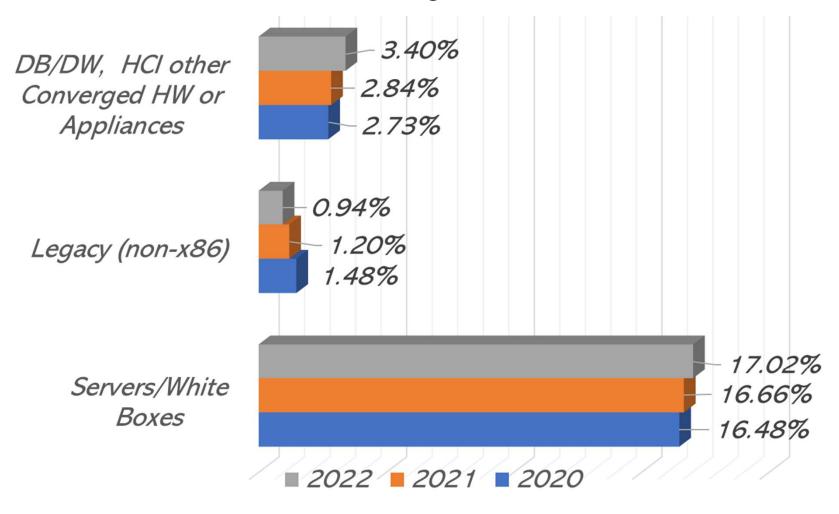
all amounts in \$KUSD





#### Servers as a Percentage of Hardware Market



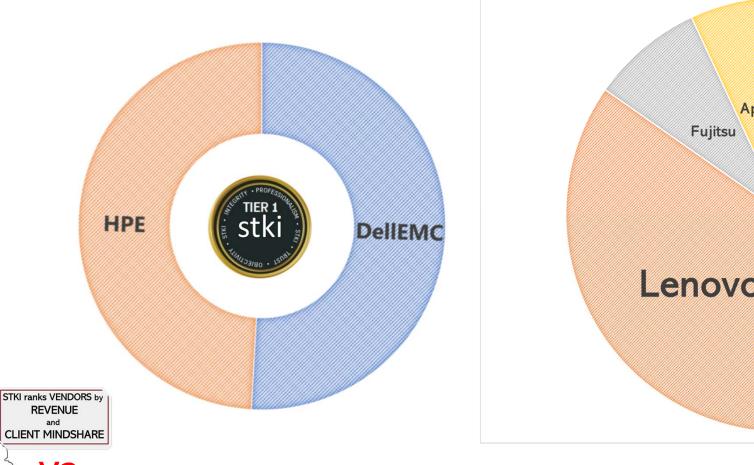


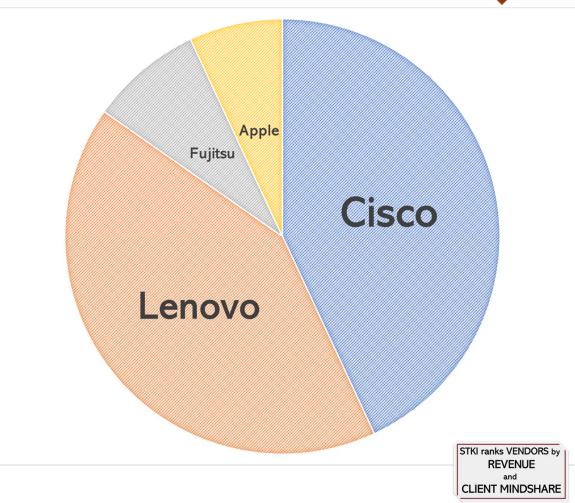




### Servers: manufacturers



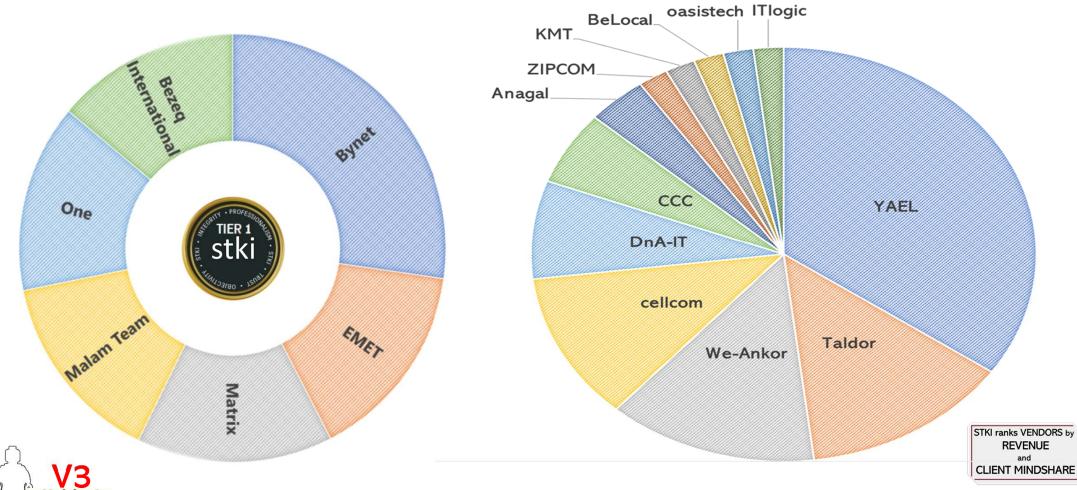






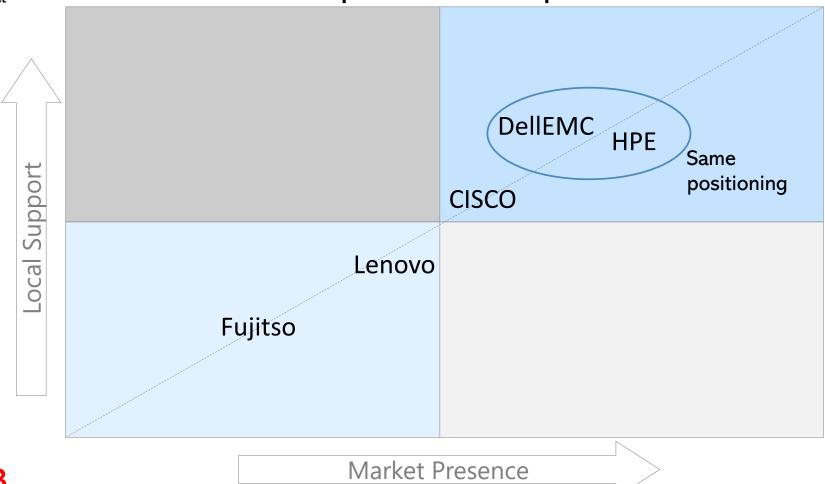
### Servers: VARS







## General purpose intel servers enterprise market presence 1H20

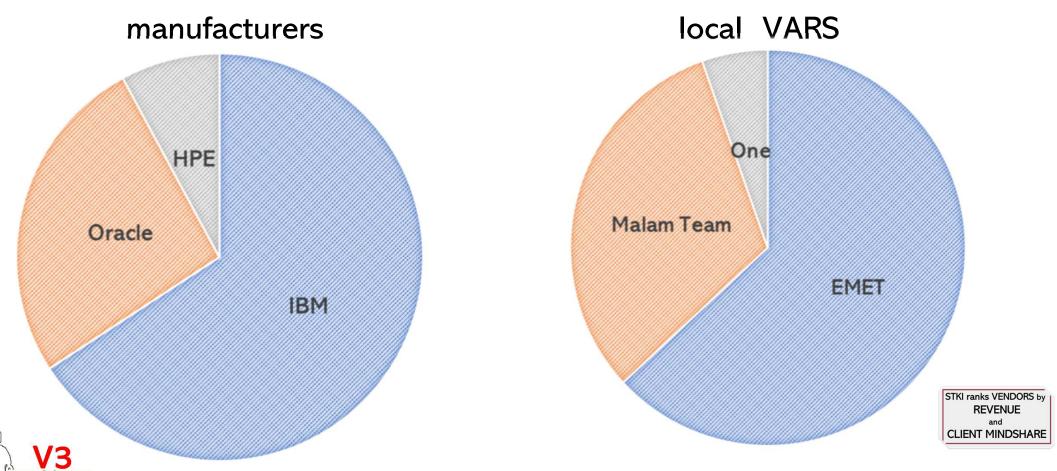






## Servers: Legacy (non-x86)

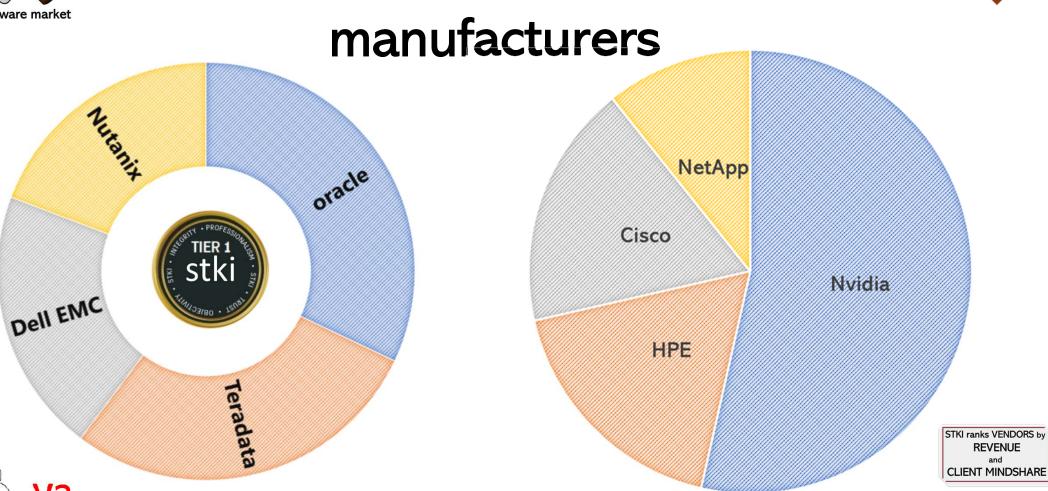






**Servers:** DB/DW, Converged HW and Appliances



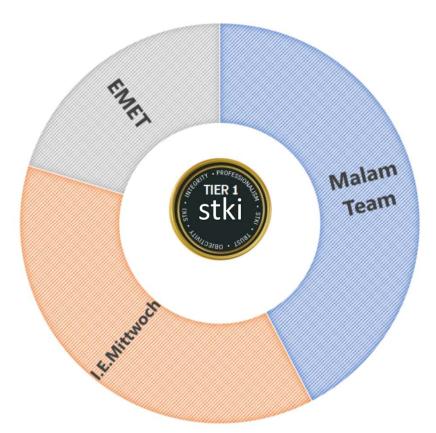




## **Servers:** DB/DW, Converged HW and Appliances



### **VARS**

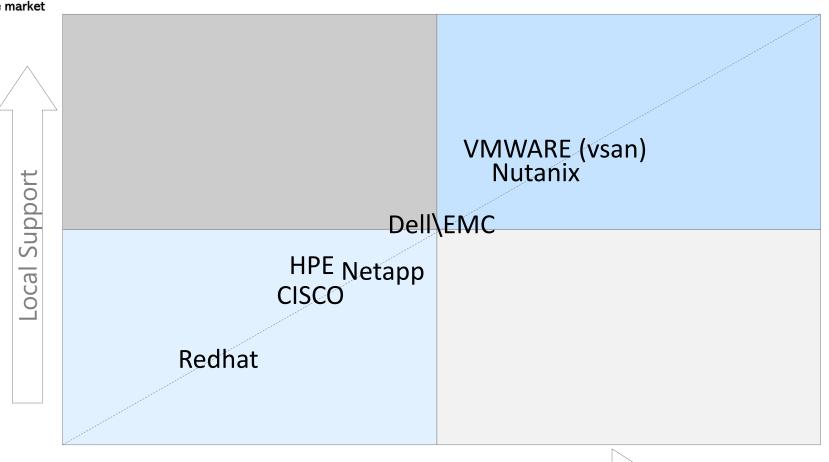








# HCI Hyper Converged Infrastructure enterprise market presence 1H20



Brands in HCl – SW, HW appliances (not "apples to apples") the "leading brand" in the solution is listed



Market Presence







STKI Summit 2020 Window PCs (Notebook, Desk, thin)

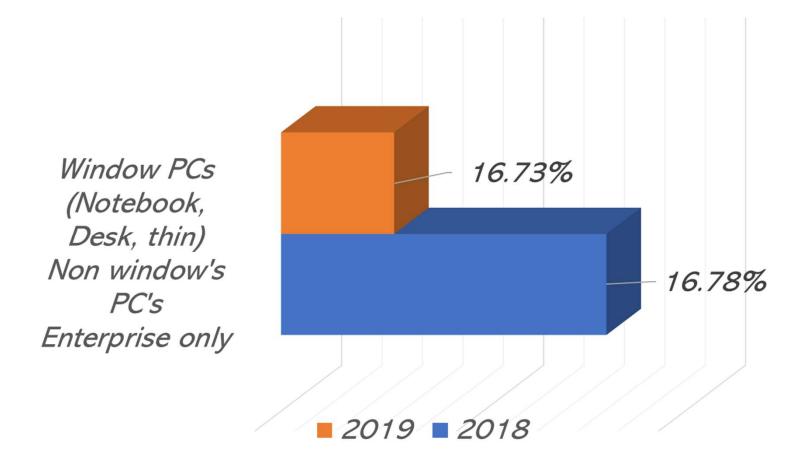
Non window's PC's

Enterprise only



### Clients (PCs) as a Percentage of Hardware Market











# Clients (PCs) (commercial use only)

	2018		2019		2020		2021
Window PCs (Notebook, Desk, thin) Non window's PC's Enterprise only	291,000	1.55%	295,500	1.18%	299,000	1.00%	302,000
total	291,000	1.55%	295,500	1.18%	299,000	1.00%	302,000

### FORECAST VERSION ONE



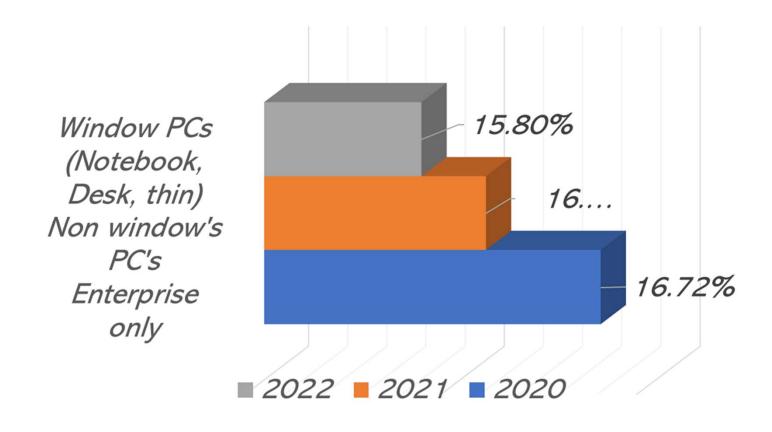






### Clients (PCs) as a Percentage of Hardware Market









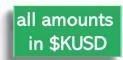




# Clients (PCs) (commercial use only)

	2019		2020		2021		2022
Window PCs (Notebook, Desk, thin) Non window's PC's Enterprise only	295,500	6.60%	315,000	-4.13%	302,000	0.99%	305,000
total	295,500	6.60%	315,000	-4.13%	302,000	0.99%	305,000

### **FORECAST VERSION TWO**

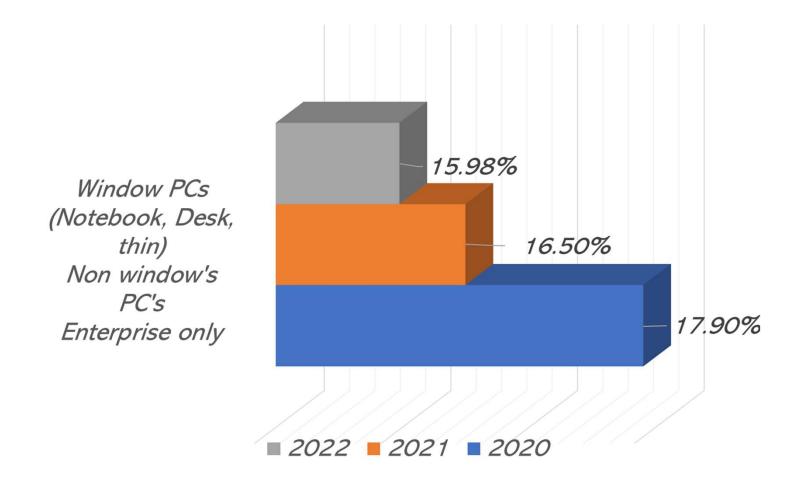






### Clients (PCs) as a Percentage of Hardware Market











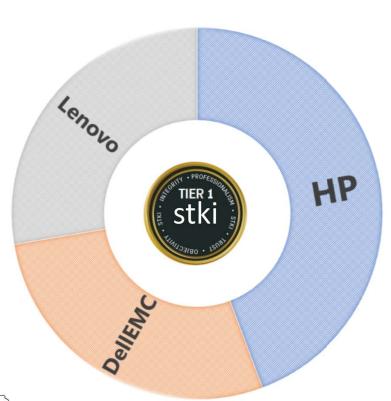
### Clients (PCs)

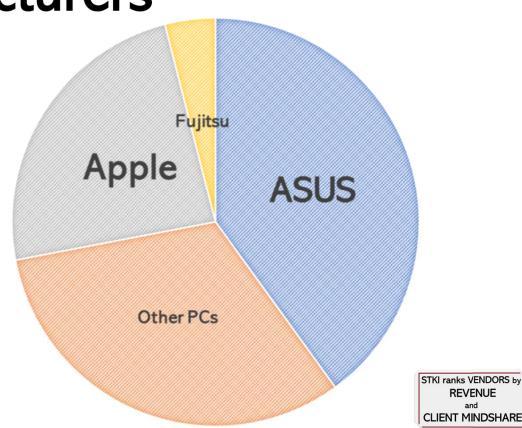
(commercial use only)

manufacturers



**REVENUE** 









### Clients (PCs)

(commercial use only) VARS





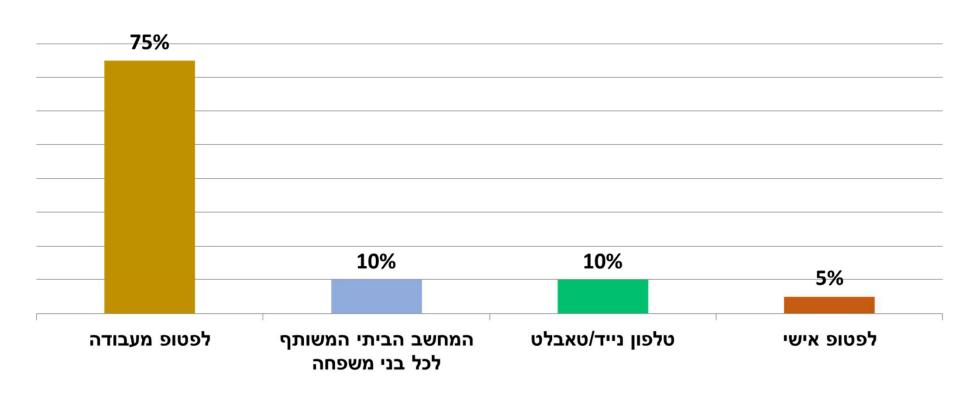








#### באמצעות איזה מכשיר את/ה עובד/ת מהבית בתקופה זו:



<u>המקור: סקר שוק ישראלי בצל משבר הקורונה</u> <u>STKI 2020</u>









Disks (HHD and SSD)
VTL Backup and other storage
Appliances
Tape Libraries
Enterprise Storage



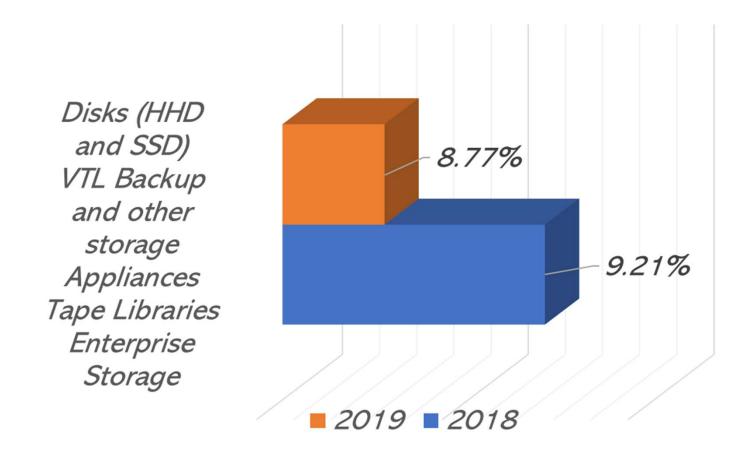
STKI Summit

2020



#### Storage Appliances as a Percentage of Hardware Market











# storage appliances

	2018		2019		2020		2021
Disks (HHD and SSD) VTL Backup and other storage Appliances Tape Libraries Enterprise Storage	159,650	-2.91%	155,000	- <b>2.68</b> %	150,850	2.09%	154,000
total	159,650	-2.91%	155,000	-2.68%	150,850	2.09%	154,000

### FORECAST VERSION ONE



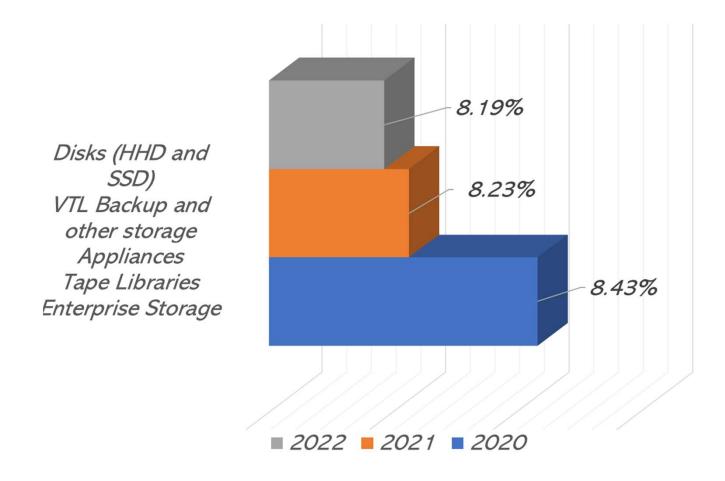






#### Storage Appliances as a Percentage of Hardware Market











# storage appliances

	2019		2020		2021		2022
Disks (HHD and SSD)  VTL Backup and other storage  Appliances  Tape Libraries  Enterprise Storage	155,000	-16.13%	130,000	13.85%	148,000	6.76%	158,000
total	155,000	-16.13%	130,000	13.85%	148,000	6.76%	158,000

### **FORECAST VERSION TWO**



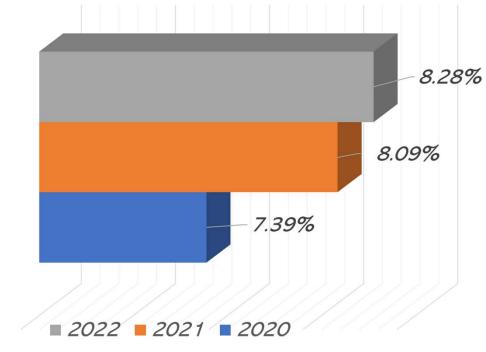




#### Storage Appliances as a Percentage of Hardware Market



Disks (HHD and SSD) VTL Backup and other storage Appliances Tape Libraries Enterprise Storage





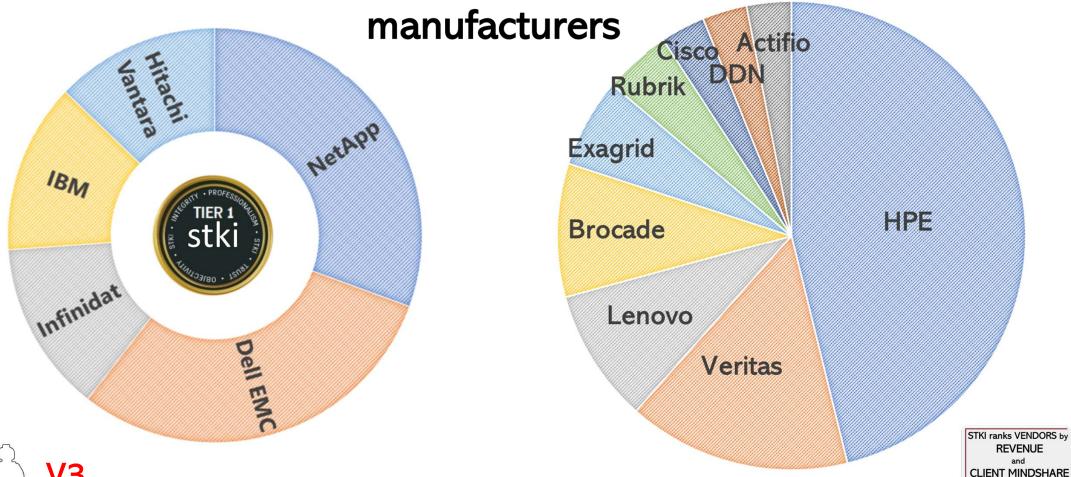
Forecast 2



### **Enterprise Storage HW**

(Drives, VTL's, Tapes, Storage Networking)







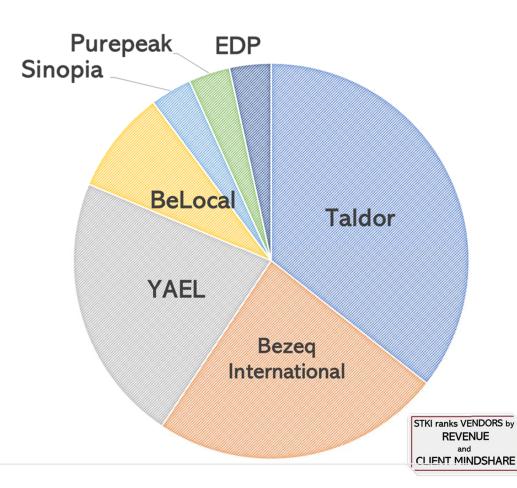
### **Enterprise Storage HW**

(Drives, VTL's, Tapes, Storage Networking)



**VARS** 

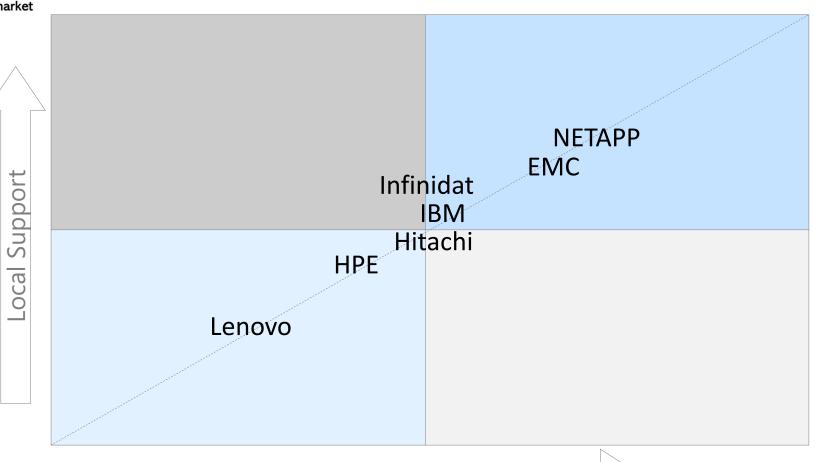








### general purpose storage HW enterprise market presence 1H20



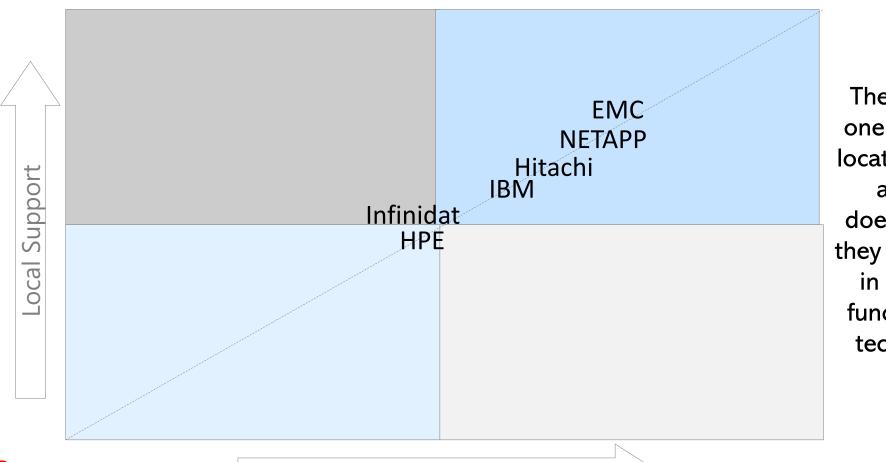
The fact that one vendor is located next to another doesn't mean they are similar in terms of functionality/ technology.



Market Presence



### high end (critical systems storage) enterprise market presence 1H20



The fact that one vendor is located next to another doesn't mean they are similar in terms of functionality/ technology.



Market Presence









**Enterprise Networking** 

Security / Cyber HW

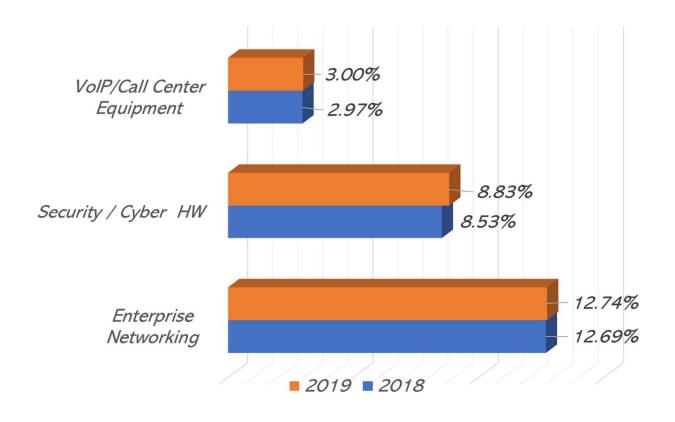
VoIP/Call Center Equipment





# Networking, VoIP, Security Appliances as a Percentage of Hardware Market











## Networking, VoIP, Security Appliances



	2018		2019		2020		2021
Enterprise Networking	220,000	2.27%	225,000	0.89%	227,000	5.95%	240,500
Security / Cyber HW	148,000	5.41%	156,000	3.85%	162,000	2.47%	166,000
VoIP/Call Center Equipment	51,500	2.91%	53,000	2.08%	54,100	4.44%	56,500
total	419,500	3.46%	434,000	2.10%	443,100	4.49%	463,000

### FORECAST VERSION ONE



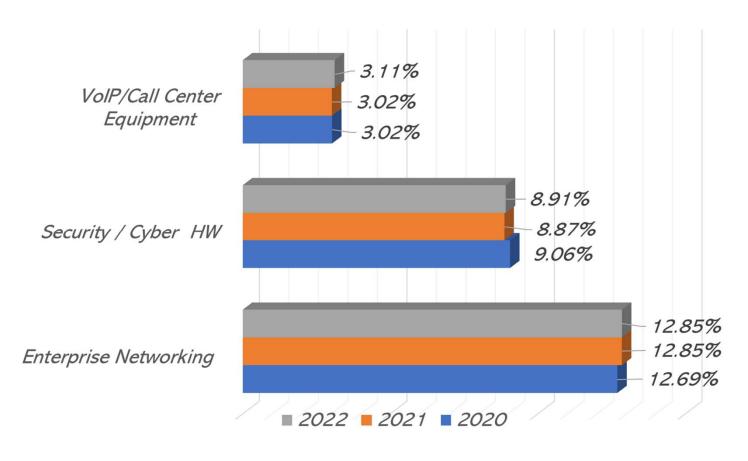






# Networking, VoIP, Security Appliances as a Percentage of Hardware Market









### Networking, VoIP, Security Appliances



	2019		2020		2021		2022
Enterprise Networking	225,000	0.89%	227,000	5.95%	240,500	3.12%	248,000
Security / Cyber HW	156,000	3.85%	162,000	2.47%	166,000	3.61%	172,000
VoIP/Call Center Equipment	53,000	16.98%	62,000	20.97%	75,000	10.67%	83,000
total	434,000	3.92%	451,000	6.76%	481,500	4.47%	503,000

### FORECAST VERSION TWO

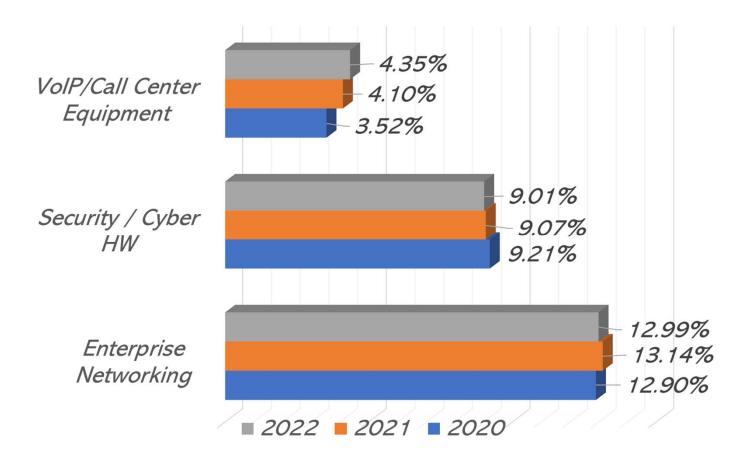






# Networking, VoIP, Security Appliances as a Percentage of Hardware Market





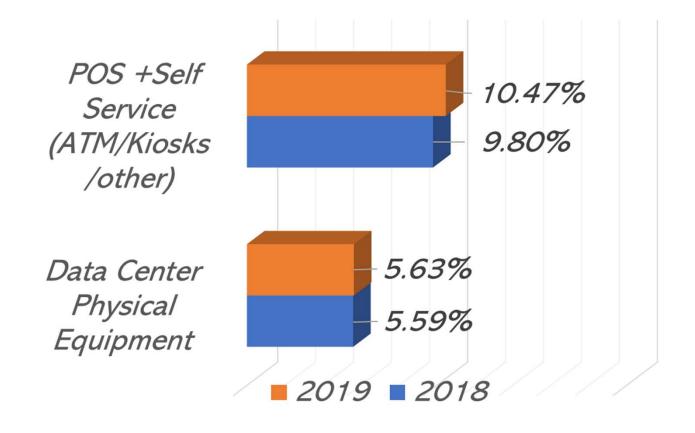






# Self-service & Datacenter Equipment as a Percentage of Hardware Market





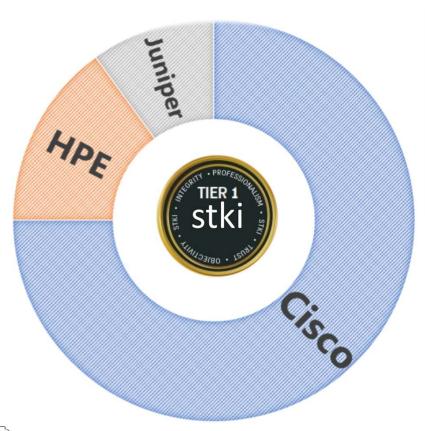


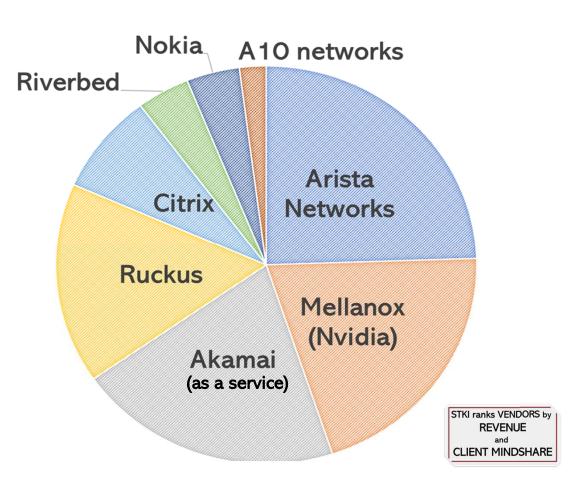




# Enterprise Networking manufacturers







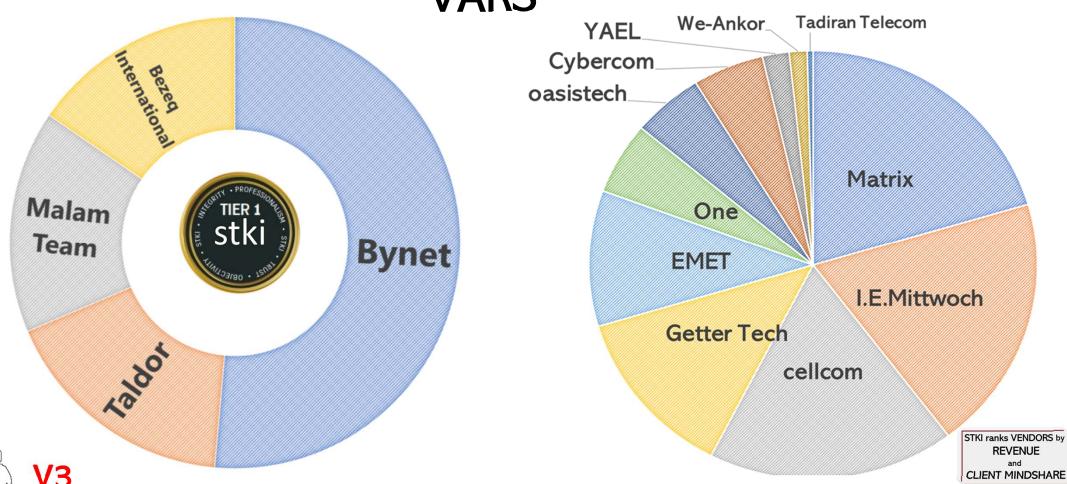




**Enterprise Networking VARS** 

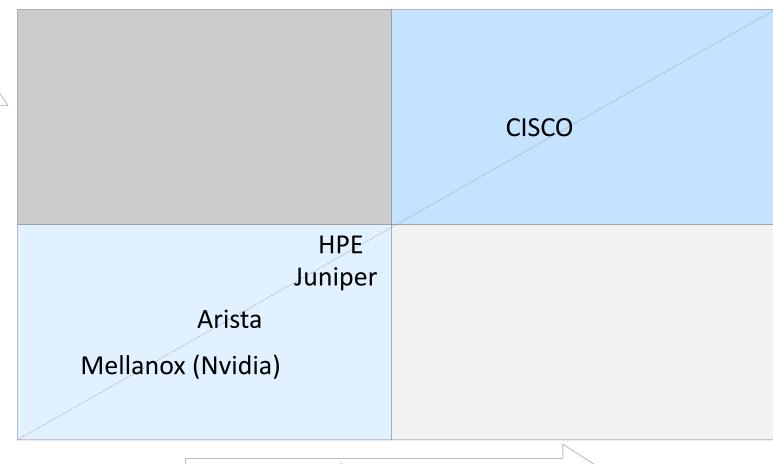


**REVENUE** 





#### Enterprise networkingenterprise market presence 1H20





Support

Local

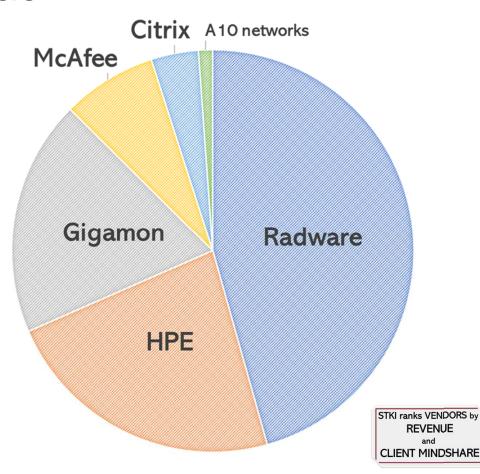
Market Presence



### Security / Cyber Appliances manufacturers





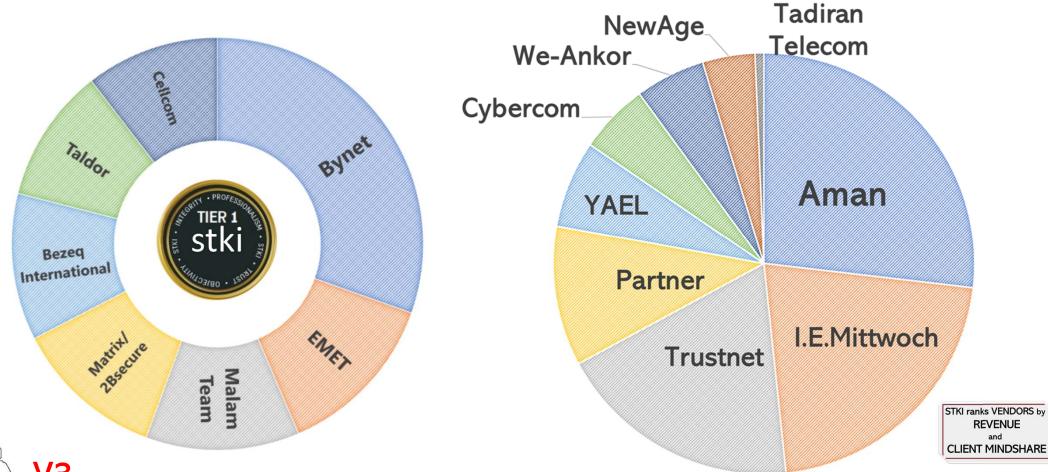






### Security / Cyber Appliances VARS





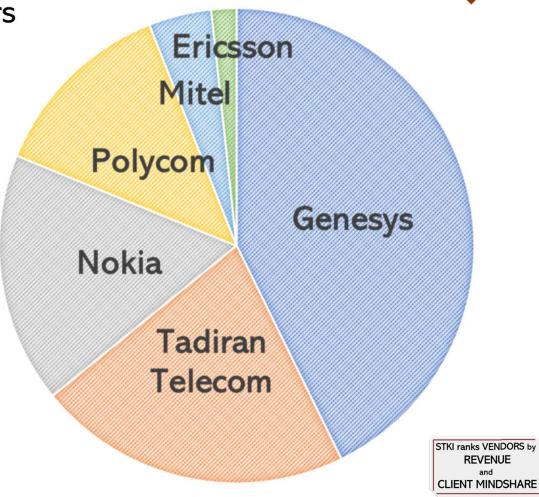


### **VolP/Call Center Equipment**



**REVENUE** 





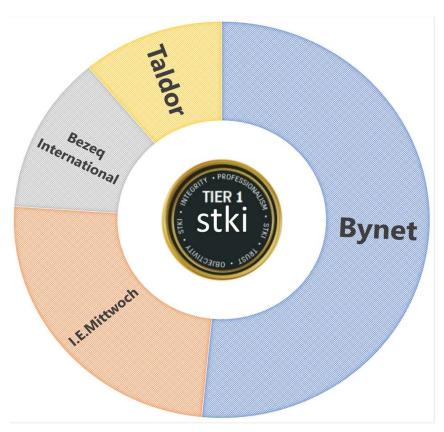


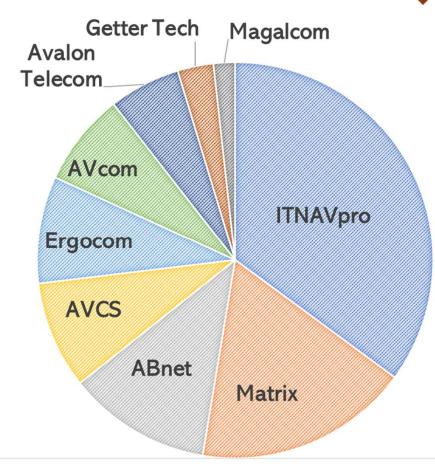


**VoIP/Call Center Equipment** 

local VARS







STKI ranks VENDORS by REVENUE and CLIENT MINDSHARE









Data Center Physical Equipment

POS +Self Service (ATM/Kiosks/other)



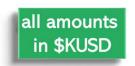


# Self-service & Datacenter Equipment

72	

	2018		2019		2020		2021
Data Center Physical Equipment	97,000	2.58%	99,500	2.51%	102,000	42.16%	145,000
POS +Self Service (ATM/Kiosks/other)	170,000	8.82%	185,000	8.11%	200,000	7.50%	215,000
total	267,000	6.55%	284,500	6.15%	302,000	19.21%	360,000

### FORECAST VERSION ONE



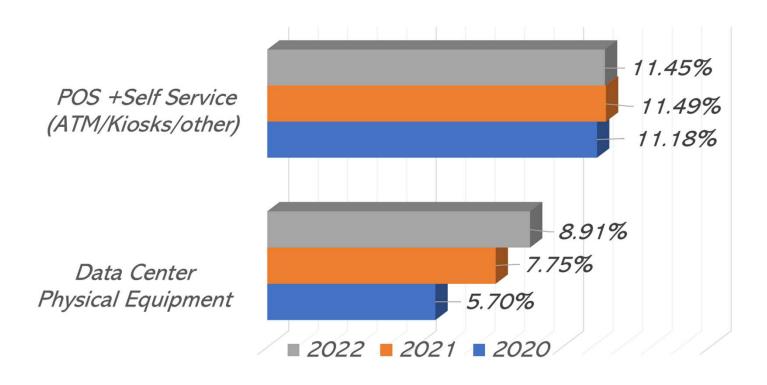






# Self-service & Datacenter Equipment as a Percentage of Hardware Market













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	2019		2020		2021		2022
Data Center Physical Equipment	99,500	-14.57%	85,000	5.88%	90,000	5.56%	95,000
POS +Self Service (ATM/Kiosks/other)	185,000	18.92%	220,000	11.36%	245,000	6.12%	260,000
total	284,500	7.21%	305,000	9.84%	335,000	5.97%	355,000

#### **FORECAST VERSION TWO**

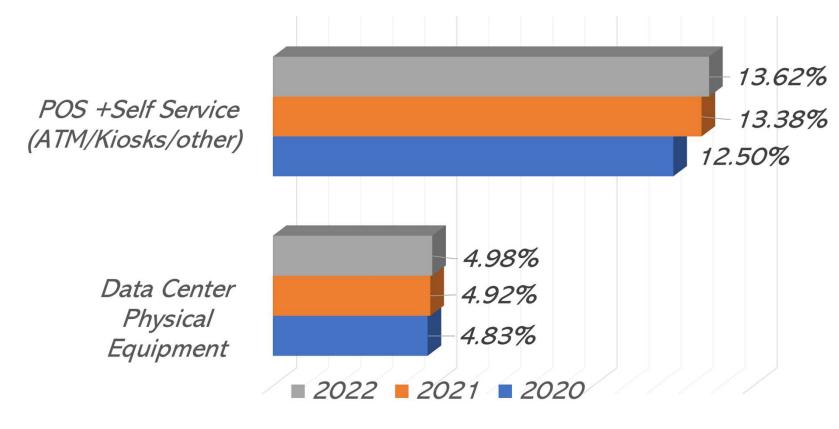






# Self-service & Datacenter Equipment as a Percentage of Hardware Market







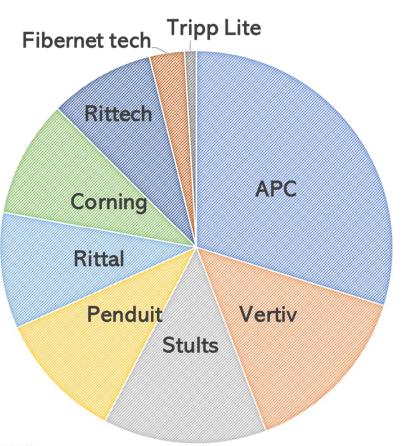




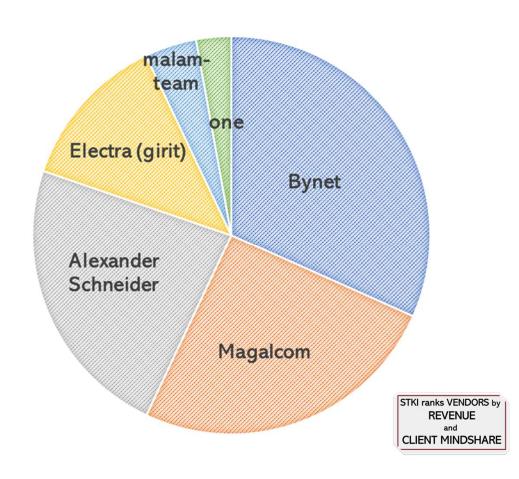
### Datacenter Physical Equipment

local VARS





manufacturers

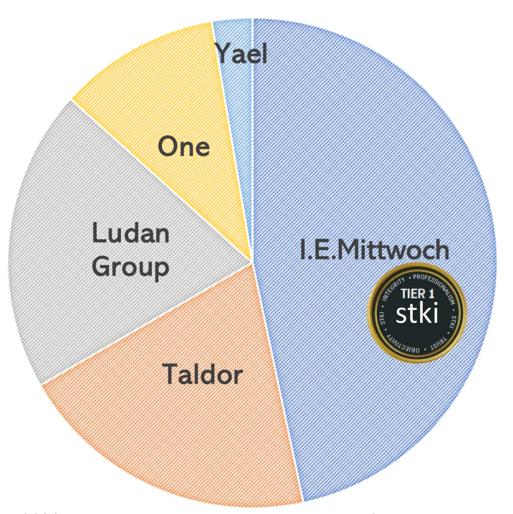






#### POS +Self Service (ATM/Kiosks/other)











STKI Summit 2019

Toner/Ink/Laser
Printers, Video, Monitors,
Cassettes, etc



# Miscellaneous Products as a Percentage of Hardware Market



Toner/Ink/Laser
Printers, Video,
Monitors,
Cassettes, etc

11.44%

12.17%

12.17%





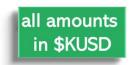




# Miscellaneous Products (for enterprises only)

	2018		2019		2020		2021
Toner/Ink/Laser Printers, Video, Monitors, Cassettes, etc	211,000	-4.27%	202,000	-3.71%	194,500	-4.88%	185,000
total	211,000	-4.27%	202,000	-3.71%	194,500	-4.88%	185,000

#### FORECAST VERSION ONE



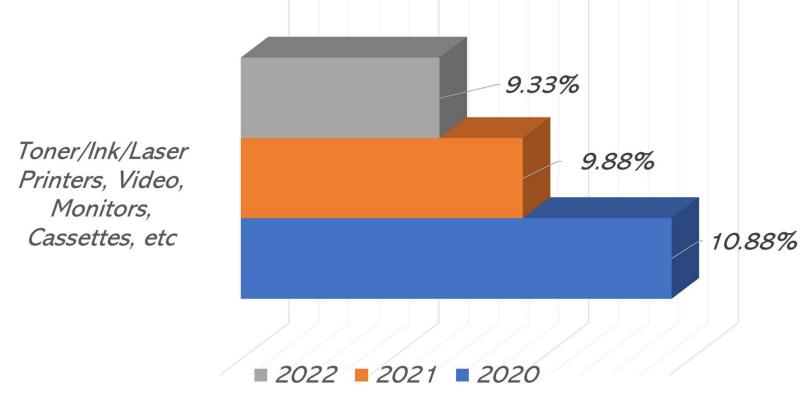






## Miscellaneous Products as a Percentage of Hardware Market











# Miscellaneous Products (for enterprises only)

	2019		2020		2021		2022
Toner/Ink/Laser Printers, Video, Monitors,	202,000	-3.71%	194,500	-4.88%	185,000	-2.70%	180,000
Cassettes, etc	202,000	-3.71%	194,500	-4.88%	185,000	-2.70%	180,000

#### **FORECAST VERSION TWO**

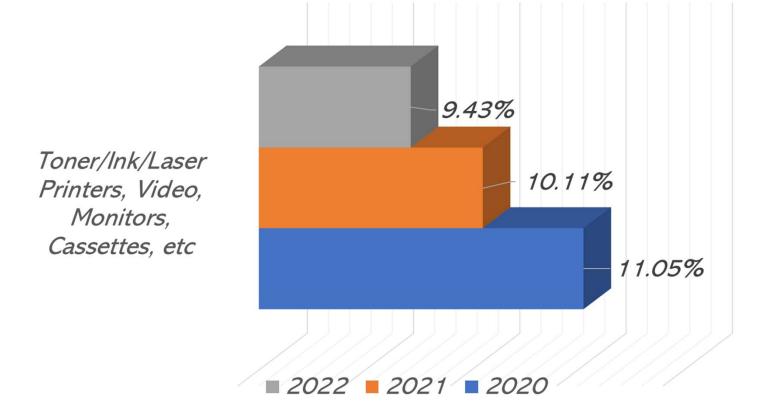






# Miscellaneous Products as a Percentage of Hardware Market











#### **STKI 2020**

Volume 1 v3

### Israeli IT Market Study

Post COVID-19 transformation, assumptions, economy, forecasts companies and industry budgets



**STKI 2020** 

Volume 3 v3

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## Israeli IT Market Study

(Software Products)





For more results of the 2020 Study and the v3 version please open the other 3 volumes.

**STKI 2020** 

Volume 4 v3

Israeli IT
Market Study
(Value Added Services)











**STKI 2020** 

Volume 2 v3



Israeli IT
Market Study
(Hardware-Infrastructure)



Any questions or comments please contact me:

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