

# Q4: Quarterly Industry Update

AS OF December 31, 2020



## Cyber Security

### INDUSTRY SUMMARY

COGENT VALUATION identified **Cyber Security** publicly traded companies, IPOs, and recent M&A transactions within the Cyber Security industry, which provides a basis for market and transaction pricing that can be used by your firm in estimating market sentiment and its impact on your firm's value. Over the last year since December 31, 2019, the median 52-week share price return of the Cyber Security industry was 43.4%. Between December 31, 2019 and December 31, 2020, the median EV/EBITDA multiple increased from 13.7 to 15.5. However, the median price-to-earnings multiple decreased from 43.0 to 15.2 over the same period. The median revenue growth and EBITDA margins for the industry for the quarter were 3.7% and 8.6%, respectively.

### Public Company Key Statistics

Median 52-Week  
Return

43.4%

Median 3-Year CAGR  
Return

17.1%

Median EV/Revenue  
Multiple

3.7x

Median EV/EBITDA  
Multiple

15.5x

Median Price/Earnings  
Multiple

15.2x

Median EV/Gross CF  
Multiple

33x

## Comparable Public Company Market Price Returns as of December 31, 2020


	2020	3 Month	1 Year	2 Year	3 Year	2019	2018	2017
Ability Inc.	-20.5%	-20.5%	-83.4%	-77.0%	N/A	-84.1%	-72.0%	N/A
CyberArk Software Ltd.	92.9%	92.9%	0.3%	9.4%	8.6%	-9.0%	0.8%	13.8%
Finjan Holdings, Inc.	99.5%	99.5%	87.2%	89.0%	-11.0%	90.7%	-1.5%	-57.4%
Fortinet, Inc.	111.2%	111.2%	39.7%	32.3%	12.4%	45.1%	-3.4%	1.7%
Imperva, Inc.	N/A	N/A	5.5%	-7.4%	14.7%	3.4%	-39.3%	28.1%
ManTech International Corporation	17.0%	17.0%	-23.3%	7.7%	17.9%	-0.2%	19.4%	-26.9%
NetScout Systems, Inc.	11.1%	11.1%	60.2%	31.7%	-10.9%	18.8%	39.7%	0.0%
Radware Ltd.	26.1%	26.1%	-30.6%	7.1%	-1.5%	-3.3%	2.6%	-16.0%
Rapid7, Inc.	-17.1%	-17.1%	32.1%	34.3%	N/A	33.1%	-5.0%	-30.3%
Symantec Corporation	36.4%	36.4%	70.7%	39.9%	11.8%	53.3%	-19.6%	N/A
Median of Industry Public Companies	97.9%	97.9%	5.5%	18.6%	8.6%	17.5%	-1.5%	-16.0%


Multiple year periods are calculated as the average annual return.


■ Highest Return
 ■ Lowest Return
 ■ Median Return

## Public Company Median Multiples by Quarter

	12/31/20	9/30/20	6/30/20	3/31/19	12/31/19	9/30/19	6/30/19	3/31/19
<b>EV/Revenues Multiple</b>	3.7x	3.9x	3.5x	3.1x	3.5x	3.1x	3.3x	2.8x
<b>EV/EBITDA Multiple</b>	15.5x	17.0x	19.0x	31.5x	29.6x	31.1x	24.6x	18.6x
<b>Price/Earnings Multiple</b>	15.2x	17.2x	16.3x	24.2x	46.0x	27.3x	23.1x	42.2x
<b>EV/Gross Cash Flows Multiple</b>	33.0x	49.0x	19.5x	21.2x	41.6x	48.4x	43.7x	37.8x

 Highest Multiple

 Lowest Multiple

 Median Multiple

## Industry Initial Public Offerings—Cyber Security

(dollars in millions, except share prices)

Offer Date	Company Name	Offer Price	Shares Offered	Amount Raised	Total Assets	Debt	LTM Revenue	LTM EBITDA	LTM Net Income	LTM Cash Flows
11/23/20	<b>Tenable Holdings, Inc.</b>	\$23.00	8.4	\$8.1	\$4.2	\$13.7	\$225.8	\$1.0	\$1.0	\$5.9
9/10//20	<b>Avast Plc</b>	\$3.37	0.6	\$31.2	\$42.4	\$0.0	\$700.2	\$4.6	\$3.2	\$6.3
11/4/19	<b>GRC International Group plc</b>	\$0.96	60.0	\$11.3	\$44.5	\$0.0	\$8.6	\$5.3	\$0.6	\$0.8
6/1/17	<b>Wiit S.p.A.</b>	\$50.48	3.5	\$7.4	\$2.1	\$28.0	\$16.7	\$0.8	(\$72.4)	(\$48.1)
3/7/17	<b>Microware Group Limited</b>	\$0.19	8.0	\$112.0	\$917.8	\$0.0	\$138.7	(\$65.4)	(\$1.1)	(\$1.3)
12/13/16	<b>ECSC Group plc</b>	\$2.12	5.7	\$12.6	\$8.4	\$0.0	\$4.0	(\$1.3)	\$0.9	\$0.2
4/21/16	<b>SecureWorks Corp.</b>	\$14.00	112.0	\$19.6	\$6.7	\$17.0	\$339.5	\$2.0	(\$31.8)	(\$20.1)
4/11/16	<b>Osirium Technologies plc</b>	\$2.22	6.5	\$103.2	\$86.5	N/A	\$0.4	(\$24.2)	N/A	N/A
6/29/17	<b>Median of all IPOs</b>	nm	nm	\$16.1	\$22.6	\$0.0	\$77.7	\$0.9	\$0.6	\$0.2

## Size of Recent Merger and Acquisition Transactions for a Majority Stake (dollars in millions)

Transaction Date	Target	Acquirer	Transaction Size	% Bought	LTM Revenues	EV/Revenues
11/26/20	<b>Advantio Limited</b>	Cognosec AB (publ) (nka: Cyber Security 1 AB)	\$10.6	100%	\$3.5	0.9x
8/2/20	<b>CSRA Inc.</b>	General Dynamics Corporation	\$9,951.1	100%	\$5,064	N/A
12/28/19	<b>Wombat Security Tech.</b>	Proofpoint, Inc.	\$225.0	100%	N/A	1.0x
1/31/19	<b>Cyberinc</b>	KPMG LLP	\$34.3	100%	\$27.1	1.7x
12/15/18	<b>NCI, Inc.</b>	H.I.G. Capital	\$289.2	100%	\$325.4	N/A
7/3/18	<b>NES Associates, LLC</b>	CSRA Inc.	\$105.0	100%	N/A	N/A
8/31/16	<b>Wave Systems Corp.</b>	Huntington Ingalls	\$372.0	100%	\$364.0	2.8x
8/16/16	<b>Sypris Electronics, LLC</b>	Analog Devices, Inc.	\$42.0	55%	\$18.0	N/A
5/2/16	<b>Recall Holdings Limited</b>	Iron Mountain Inc.	\$2,452.5	100%	N/A	N/A
2/3/16	<b>Sypris Electronics, LLC</b>	Analog Devices, Inc.	\$42.0	100%	N/A	N/A
11/27/15	<b>Fox-IT Group B.V.</b>	NCC Group (Solutions)	\$140.6	100%	\$29.0	4.9x

 USA
  International

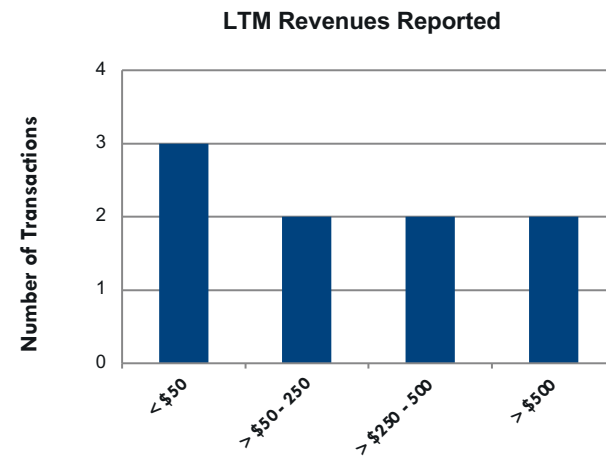
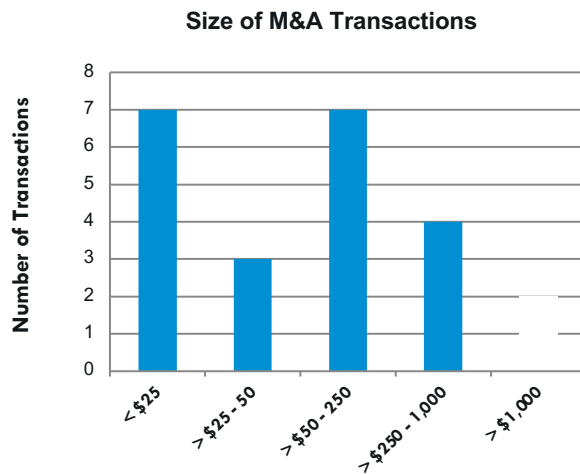
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## Size of Recent Merger and Acquisition Transactions for a Majority Stake (dollars in millions)

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Transaction Date	Target	Acquirer	Transaction Size	% Bought	LTM Revenues	EV/Revenues
9/1/15	Code Green Networks	Digital Guardian, Inc.	\$18.0	100%	N/A	N/A
7/9/15	Caspida, Inc.	Splunk, Inc.	\$190.0	100%	N/A	N/A
6/15/15	Knowledge Consulting	ManTech International	\$68.0	100%	N/A	N/A
4/1/15	LTC Engineering Associates	CACI International Inc	\$16.0	100%	\$16.0	1.0x
2/27/15	CloudShield Technologies	LookingGlass Cyber	\$5.0	100%	N/A	N/A
2/26/15	TASC, Inc.	Engility Holdings, Inc.	\$1,100.0	100%	N/A	N/A
1/2/15	Tripwire, Inc.	Belden Inc.	\$710.0	100%	\$118.5	6.0x
12/11/14	BAE Systems	BAE Systems plc	\$232.5	100%	N/A	N/A
	Median of the 20 M&A Transaction Targets		\$18.0	100%	N/A	N/A

## Size of Recent Merger and Acquisition Transactions for a Majority Stake (dollars in millions)



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**Definitions of Financial Terms Used in this Quarterly Industry Update:**

**Enterprise Value (EV):** Market Value of Equity + Market Value of Debt —Cash

**Earnings Before Interest, Taxes, Depreciation and Amortization (EBITDA):** Referred to as operating profit or operating earnings.

**Gross Cash Flows:** Net Income + Depreciation and Amortization Expense

**Latest Twelve Months (LTM):** Financial information is as of the latest twelve months through the date of this Quarterly Industry Update.

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