



# Selected Recent Transactions (1)

Communication Technology and Electronics

IT Services and BPO







### **TRS Technologies**

**KPMG CF United States** 

advised TRS Technologies, Inc. on its sale to Tayca Corporation

Value not disclosed January 2018





#### Vitruvian Partners

KPMG CF Sweden

Value not disclosed December 2017





**\** //

#### Giacom

KPMG CF United Kingdom

advised Giacomon the sale of the business to Livingbridge

Value not disclosed December 2017

GCI

KPMG CF United

Kingdom

advised GCI on its sale to Mayfair Equity Partners





### JLS Digital

KPMG CF Switzerland

advised JLS Digital on its sale to Renaissance Capital

Value not disclosed October 2017

KPMG



**KPMG CF United** 

## KPMG



### **BeneSys**

KPMG CF United States

advised BeneSys on its sale to Tenex Capital Management

Value not disclosed

KPING

### **Eze Castle Integration**

KPMG CF United States

advised Eze Castle Integration on raising investment from H.I.G. Capital



KPMG



Kingdom

advised RIBA Enterprises in raising a minority investment of 42.5% from LDC

Value not disclosed





### **PRIME Research**

Kingdom

advised PRIME Research on its sale to Cision Ltd.

Value not disclosed January 2018





### Ink

KPMG CF United Kingdom

advised the shareholders of Volanti Media (Holdings) Limited (Ink) on its sale to The Stagwell Group

Value not disclosed October 2018



### ReachLocal Japan

KPMG CF United States

Value not disclosed



### **RIBA Enterprises**

**KPMG CF United** 





### **LCL**

KPMG CF Japan

advised LCL on its sale to Kakaku.com

Value not disclosed





### **Tenzing Private Equity**

**KPMG CF United** Kingdom

advised Tenzing Private Equity LLP on the acquisition of Corvia Ltd (Ticketer)

Value not disclosed October 2018





tCell.io KPMG CF United States

advised tCell.io on its sale to Rapid7

Value not disclosed October 2018



## **Nordic Capital**

KPMG CF United Kingdom

advised Nordic Capital on the acquisition of Macrobond Financial

\$150.0 million August 2018





### **LDC**

KPMG CF United Kingdom

advised LDC (Managers) on the acquisition of Mandata

May 2018

2013-20	17 Advisor Rankings <sup>(2)</sup>	# of Deals
1.	KPMG <sup>(1)</sup>	2,100
2.	PwC	2,068
3.	Ernst & Young LLP	1,398
4.	Rothschild & Co.	1,287
5.	Deloitte	1,179
6.	BDO	1,077
7.	Houlihan Lokey	1,006
8.	Lazard	892
9.	Goldman Sachs & Co.	858
10.	IMAP	835

2017	Advisor Rankings <sup>(2)</sup>	# of Deals
1.	KPMG <sup>(1)</sup>	395
2.	Rothschild & Co.	311
3.	PwC	309
4.	BDO	223
5.	Ernst & Young LLP	222
6.	Houlihan Lokey	219
7.	Deloitte	206
8.	Lazard	189
9.	ICBC	184
10.	IMAP	177

2018	YTD <sup>(3)</sup> TMT Advisor Rankings <sup>(2)</sup>	# of Deals
1.	KPMG <sup>(1)</sup>	34
1.*	Rothschild & Co.	34
1.*	Raymond James Financial	34
4.	Ernst & Young LLP	30
4.*	Houlihan Lokey	30
6.	Mizuho Financial Group	28
7.	Sumitomo Mitsui Financial	27
8.	Goldman Sachs & Co	26
9.	Deloitte	25
10.	Morgan Stanley	24

- (1) Represents the Corporate Finance practices of KPMG International's network of independent member firms.
- (2) League tables include completed deals which have value between \$0 to \$500mm and also where deal value is not disclosed.
- (3) YTD represents first nine months of 2018, ending September 30, 2018. Source: Thomson Reuters SDC



# KPMG CF Transaction Spotlight



Acted as the financial advisor to



on its acquisition of



Value not disclosed October 2018













### **Overview:**

- KPMG Corporate Finance<sup>(1)</sup> ('KPMG CF') acted as the financial advisor to Tenzing Private Equity LLP ('Tenzing'), on the buy-out of Corvia Ltd ('Ticketer').
- Founded in 2009, Ticketer offers software and hardware to bus operators, enabling ticket payments and real-time data collection and analysis.
- Ticketer's solution allows multiple payment modes (contactless, e-ticket, m-ticket) and aggregates a broad range of data including trip length, duration, revenue, timetable adherence, driver hours, average segment speeds, boarding speeds and profitability.
- Ticketer occupies a strategically important position in the value chain and is well
  placed to exploit opportunities in the emerging Mobility-as-a-Service (MaaS) /
  Smart Transport market, both domestically and overseas.
- Tenzing acquired a majority stake from existing shareholders, with the senior management team retaining a sizable minority interest.

#### Engagement:

 KPMG worked with Tenzing and Ticketer management, facilitating the development of the investment case business plan, underpinned by a series of strategic initiatives.

### **Client Feedback:**

"We're delighted to have completed our investment in Ticketer. We wanted to work with an advisor with tech sector expertise -particularly within enterprise software -on this transaction, which is what Graham, Paddy and the team at KPMG provided and it was a pleasure working with them"

-Guy Gillon (Co-founder and Managing Partner), Tenzing Private Equity LLP



Acted as the lead financial advisor to



on its sale to

**ESTAGWELL**GROUP

Value not disclosed October 2018







### Overview:

- KPMG Corporate Finance<sup>(1)</sup> ('KPMG CF') acted as the lead financial advisor to the shareholders of Volanti Media (Holdings) Limited ('Ink') on the sale of business to a privately backed US media conglomerate, The Stagwell Group ('Stagwell').
- Ink is a global travel media business, specializing in the creation of content for a worldwide audience of c.800 mm travelers across multiple channels, through longterm partnerships with airlines and travel groups, including American Airlines, Singapore Airlines and easyJet.

### **Engagement:**

- KPMG Corporate Finance tracked the business closely since it received an investment from Endless LLP ("Endless") in 2015.
- The acquisition will allow Stagwell to enhance its content and creative capabilities, provide direct access to significant players in the global travel market and help them broaden their portfolio of companies to deliver strong creativity, across multiple channels.
- A strong existing relationship with Endless and Ink's chairman, as well as efforts to reach out and connect with management, helped KPMG win the mandate through a competitive pitch process against other Big 4, UK and US boutique investment hanks
- KPMG's success was based upon strong credentials, deep sector knowledge and access to the global buyer community (leveraging global network).

(1) Represents the Corporate Finance practices of KPMG International's network of independent member firms.



## Global TMT Sector M&A Activity

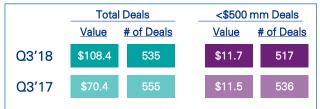
- Strengthened by big ticket transactions at both ends of the quarter, TMT deal activity aggregated \$211.4 billion from 2,281 deals in Q3'2018. Registering a record first nine months in terms of deal value, surpassing the previous record of 2015.
- On the back of steady increase in short term interest rates by the Fed and further hikes expected in the near future, PE-backed deals witnessed a slight decline in Q3'2018, as compared to record PE deal activity in the previous quarter.
- The largest deal announcement in the quarter was Broadcom's acquisition of CA Technologies, a B2B software company, for ~\$18.9 billion.
- The mid-market segment (<\$500 million) witnessed 2,238 announced deals worth \$43.0 billion in Q3'2018, as compared to 2,404 deals worth \$39.2 billion in Q3'2017.
- Driven by communications technology and software, M&A targets continued to witness high valuations within the TMT space.

### Sub-sector M&A activity

(Aggregate values in \$ billions) (5)



# Communications Technology and Electronics (1)

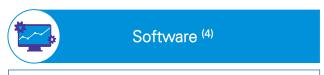




	Tota	al Deals	<b>&lt;\$</b> 500	mm Deals
	<u>Value</u>	# of Deals	<u>Value</u>	# of Deals
Q3′18	\$13.3	397	\$7.1	394
Q3′17	\$8.1	396	\$5.5	393



	Tota	ıl Deals	<\$500	mm Deals
	<u>Value</u>	# of Deals	<u>Value</u>	# of Deals
Q3′18	\$24.4	600	\$8.7	590
Q3′17	\$33.1	688	\$9.6	679



	Tota	l Deals	<\$500 m	nm Deals
	<u>Value</u>	# of Deals	<u>Value</u>	# of Deals
Q3′18	\$65.3	749	\$15.6	737
Q3′17	\$34.9	805	\$12.6	796

Notes: We have sourced the sub-sector classifications from Capital IQ as below:

- (1) Communications Technology and Electronics: Computers & Peripherals; Electronics; Semiconductors; Space and Satellites; Telecommunications Equipment; Telecommunications Services; Wireless; and Other Telecom.
- (2) IT Services and BPO: Companies/targets with primary industry classification as IT Consulting & Services.
- (3) Internet and Media: Advertising & Marketing; Broadcasting; Cable; Casinos & Gaming; E-commerce / B2B; Internet and Catalog Retailing; Internet Infrastructure; Motion Pictures / Audio Visual; Publishing; and Other Media & Entertainment.
  - 4) Software: Companies/targets with primary industry classification as Internet Software & Services; Software; and Other High Technology.
- (5) Deal Values are based on transactions with disclosed deal values only.

Sources: Thomson One and other publicly available information.



## Country Spotlight: KPMG CF's Technology Practice in China



- · Owing to the increasing focus on smart manufacturing, advanced medical devices, robotics and advanced AI, Chinese TMT M&A deal activity registered deals worth \$151 billion in 2017.
- In 2017, domestic deals accounted for approximately 62% of the total TMT transactions, with outbound and inbound deals accounting for 26% and 12%, respectively, of the total deals.
- Some of the key trends observed in the TMT M&A space in China are:
  - Active technology and internet sub-sectors, largely dominated by domestic transactions
  - BAT (Baidu, Alibaba and Tencent) led consolidations in the technology market
  - Hong Kong's new listing rules are attracting many high-end technology and innovative companies for primary as well as secondary listing in the region
  - Licensing of virtual banks in Hong Kong is expected to promote the application of financial technology and innovation within the region
  - Tightened Chinese and U.S. regulations leading to an overall dip in cross border M&A activity
- Chinese outward direct investment in Europe witnessed an uptick of 4% in the first half of 2018, reaching a total of \$12 billion.

### YTD 2018 TMT Deals worth \$116bn

### **KPMG China Initiatives**

### KPMG Digital Ignition (KDI) Centre



KDI works with clients, start-ups and alliance partners, to provide pre-packaged solutions, alliance products or specialized solutions



Alliance partners include: Microsoft, Oracle, Coupa, Workday and ServiceNow

### **KPMG Innovative Startup Centre**



Aims to assist start-ups, investors and enterprises by offering start-up academy, deal services, and ecosystem development & resources matching services, respectively



Located in Zhongguancun, Beijing, 'China's Silicon Valley'

### **Key Advisory Clients**

**Baidu** 

**China Mobile** 

JD.com

**Orchid Asia** 

Softbank Vision Fund

**Telstra** 

**Tencent** 

### **Recent Transactions**

### KPMG



### **SB Vision Fund**

Deal Advisory

Provided buy-side assistance in its acquisition of stake in Oneconnectand LuFax

Value Undisclosed



### **HK Conglomerate**

Deal Advisory

Provided buy-side assistance in acquisition of Portuguese digital bank

Value Undisclosed



### KPMG

## **Ant Financials**

Deal Advisory

Provided buy-side assistance in the acquisition of Zomato, a global meal ordering platform

Value Undisclosed

### KPMG

### **Tencent**

Deal Advisory

Provided buy-side FDD and TDD assistance in the acquisition of Pinduoduo

\*Consortium dea

## KPMG

### Tencent

Deal Advisory

Provided buy-side FDD and TDD assistance in the acquisition of Uber(China)

\*Consortium deal

### **Key TMT Team Members**



Eric Lau KPMG, China

- Eric focuses on mergers and acquisitions and pre-IPO investment advisory, and has advised in numerous cross-border M&A transactions in various sectors across Asia Pacific.
- His areas of expertise include IPO readiness, M&A, and transactions.
- Eric received B. Com. degree from University of British Columbia, Canada and is a licensed representative of the Securities & Futures Commission of Hong Kong.



Rainbow Wang Head of Finance KPMG. China

- Rainbow joined KPMG Shanghai in 2003 and has assisted a large number of international firms and local Chinese companies on M&A divestment, JVs and fund raising activities.
- Her areas of expertise include acquisition, due diligence, valuation and advisory.
- Rainbow has a masters degree in Finance and is a Certified Public Valuator and Member of CICPA.



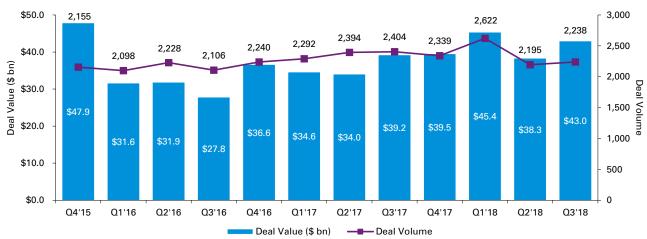
### Global TMT M&A Trend: Q4'15 - Q3'18



### Global TMT M&A Trend by Buyer Type: Q4'15 - Q3'18



### Global TMT Mid-Market M&A Trend (<\$500 mm) (1): Q4'15 – Q3'18

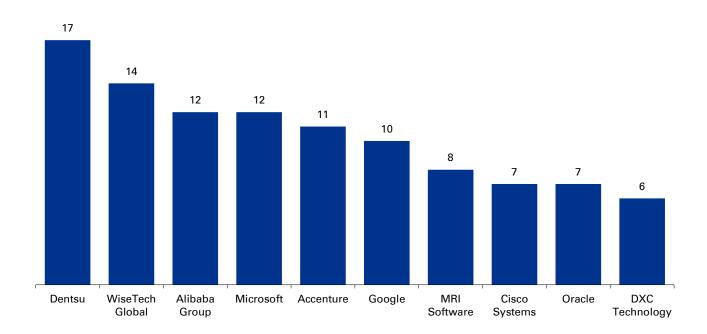


(1) Based on deals with disclosed deal values only. Source: Thomson One



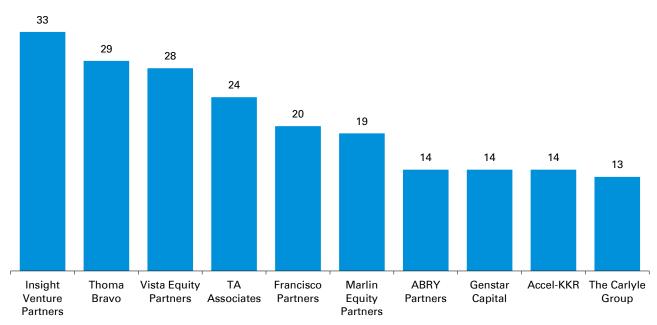
### Top 10 Active Global TMT Strategic Buyers: TTM Q3'18

### Number of acquisitions in the period



Top 10 Active Global TMT Financial Buyers: TTM Q3'18 (1)

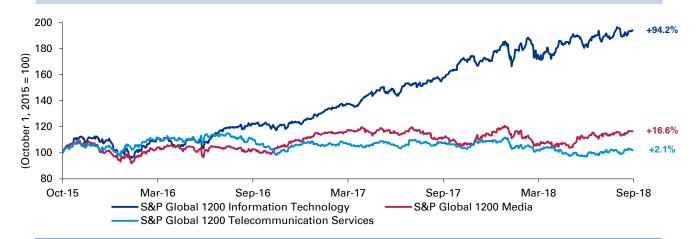
### Number of acquisitions in the period



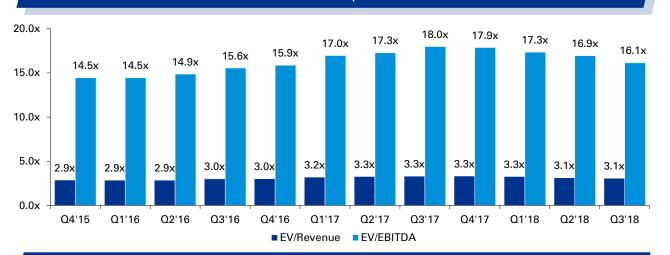
Note: 1. PE deals include bolt-on acquisitions to existing portfolio companies. Source: 451 Research



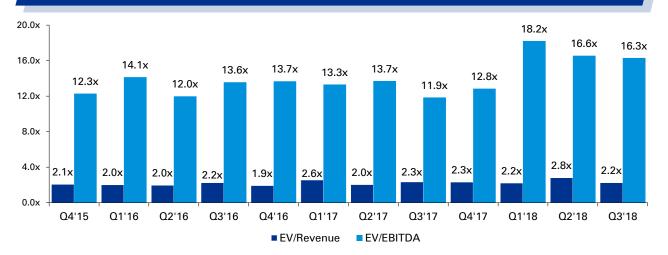
### S&P Global TMT Index Price Performance: Q4'15 – Q3'18



### Global TMT Public LTM Multiples (1,2): Q4'15 - Q3'18



### Global TMT M&A Transactions LTM Multiples (2): Q4'15 - Q3'18



<sup>(1)</sup> Trading multiples include average multiples calculated for all the 'Public Companies' operating in the TMT space (with market capitalization of at least \$500mm) classified under the primary industry classifications listed on all major exchanges globally.

<sup>(2)</sup> EV/Revenue and EV/EBITDA multiples greater than 10.0x and 50.0x, respectively, were excluded from the analysis. Source: Thomson One, Capital IQ.



### Global TMT Selected Public Comps: Communications Technology & Electronics

	M	arket D	ata					(	Operating	Metrics				Val	uation	Multip	les	
\$ value millions, except per share	Latest Quarter	Share	% of 52 Week	Market	Enterprise		Revenue		Revenu	e Growth (3)	LTM Gross	LTM EBITDA	EV	/ Revei	nue	EV	//EBITE	DΑ
Company Name	Ending	Price	High	Cap. (1)	Value (2)	LTM	2018E	2019E	2017 – 2018	2018E-2019E	Margin%	Margin%	LTM	2018E	2019E	LTM	2018E	201
Communication Se	vices																	
T&T	Jun-18	\$33.58	84.4%	\$243,858	\$423,213	\$158,368	\$174,078	\$186,722	8.7%	7.3%	52.0%	28.7%	2.7x	2.4x	2.3x	9.3x	7.5x	6.9
erizon	Jun-18	\$53.39	96.3%	\$220,604	\$336,103	\$129,647	\$130,620	\$132,042	4.3%	1.1%	58.8%	36.2%	2.6x	2.6x	2.5x	7.2x	7.1x	6.9
hina Mobile	Jun-18	\$9.86	91.8%	\$201,877	\$131,373	\$112,318	\$109,349	\$112,452	(4.5%)	2.8%	68.9%	38.8%	1.2x	1.2x	1.2x	3.0x	3.3x	3.2
ITT	Jun-18	\$45.22	86.9%	\$88,200	\$140,844	\$106,853	\$104,333	\$106,720	0.9%	2.3%	51.3%	26.6%	1.3x	1.3x	1.3x	5.0x	5.1x	4.9
Deutsche Telekom	Jun-18	\$16.16	87.9%	\$76,607	\$155,050	\$88,741	\$86,672	\$89,527	(3.9%)	3.3%	30.6%	26.8%	1.7x	1.8x	1.7x	6.5x	5.9x	5.6
/odafone	Mar-18	\$2.15	68.6%	\$57,331	\$97,459	\$57,375	\$53,724	\$52,435	(9.6%)	(2.4%)	29.6%	27.0%	1.7x	1.8x	1.9x	6.3x	5.9x	5.8
Orange S.A.	Jun-18	\$15.96	90.2%	\$42,372	\$81,639	\$48,151	\$47,796	\$48,344	(2.9%)	1.1%	39.1%	30.4%	1.7x	1.7x	1.7x	5.6x	5.4x	5.3
Telefónica Telefónica	Jun-18	\$7.92	73.6%	\$40,609	\$107,357	\$59,602	\$57,048	\$56,729	(8.8%)	(0.6%)	59.8%	32.1%	1.8x	1.9x	1.9x	5.6x	5.9x	5.9
SingTel	Jun-18	\$2.37	85.3%	\$38,694	\$45,048	\$12,846	\$12,574	\$12,785	(3.9%)	1.7%	30.1%	28.9%	3.5x	3.6x	3.5x	12.1x	12.4x	12.4
Гelstra	Jun-18	\$2.31	84.3%	\$27,433	\$39,477	\$19,239	\$20,129	\$19,439	(10.3%)	(3.4%)	47.1%	25.4%	2.1x	2.0x	2.0x	8.1x	5.9x	6.3
					<u></u>					·								
Comm. Services Up	per Quar	tile	89.6%										2.5x	2.3x	2.2x	7.9x	6.8x	6.8
Comm. Services Mo	edian		86.1%										1.8x	1.8x	1.9x	6.4x	5.9x	5.8
Comm. Services Lo	wer Quai	rtile	84.3%										1.7x	1.7x	1.7x	5.6x	5.5x	5.4
Communication Te	hnology																	
SMC	Jun-18	\$8.61	97.9%	\$223,230	\$202,534	\$33,200	\$33,307	\$37,084	1.1%	11.3%	49.6%	66.5%	6.1x	6.1x	5.5x	9.2x	9.3x	8.3
Cisco Systems	Jul-18	\$48.65	99.2%	\$222,395	\$201,488	\$49,330	\$50,685	\$52,378	5.6%	3.3%	62.2%	29.9%	4.1x	4.0x	3.8x	13.7x	11.2x	10.8
Broadcom	Aug-18	\$246.73	86.4%	\$102,010	\$115,478	\$20,248	\$20,689	\$21,788	9.8%	5.3%	65.1%	45.3%	5.7x	5.6x	5.3x	12.6x	8.2x	8.9
(eyence	Jun-18	\$581.40	91.1%	\$70,503	\$62,944	\$4,999	\$5,250	\$6,095	20.8%	16.1%	82.3%	56.6%	NM	NM	NM	22.3x	21.4x	18.7
Foxconn (Hon Hai)	Jun-18	\$2.60	69.2%	\$36,003	\$36,730	\$161,473	\$159,373	\$164,983	1.6%	3.5%	6.0%	3.2%	0.2x	0.2x	0.2x	7.2x	6.0x	5.3
Nokia	Jun-18	\$5.55	88.7%	\$31,098	\$28,405	\$26,121	\$25,720	\$26,476	(6.6%)	2.9%	40.4%	11.4%	1.1x	1.1x	1.1x	9.5x	9.1x	7.1
Ericsson	Jun-18	\$8.87	98.1%	\$29,250	\$28,046	\$21,922	\$22,407	\$22,325	(9.3%)	(0.4%)	30.5%	1.8%	1.3x	1.3x	1.3x	NM	13.5x	9.6
FleetCor Technologies	Jun-18	\$227.84	99.0%	\$20,138	\$23,967	\$2,358	\$2,405	\$2,628	7.1%	9.3%	78.4%	52.9%	NM	10.0x	9.1x	19.2x	17.5x	15.7
Citrix	Jun-18	\$111.16	95.2%	\$15,080	\$15,718	\$2,908	\$2,946	\$3,055	4.3%	3.7%	86.9%	30.6%	5.4x	5.3x	5.1x	17.6x	14.6x	14.3
ZTE	Jun-18	\$2.66	44.2%	\$10,542	\$10,912	\$14,237	\$14,062	\$16,224	(17.5%)	15.4%	28.8%	(0.7%)	0.8x	0.8x	0.7x	NM	9.3x	6.5
Juniper Networks	Jun-18	\$29.97	99.3%	\$10,334	\$9,349	\$4,784	\$4,729	\$4,854	(5.8%)	2.6%	59.4%	19.2%	2.0x	2.0x	1.9x	10.2x	9.2x	8.6
Amdocs	Jun-18	\$65.98	92.0%	\$9,332	\$8,815	\$3,952	\$4,013	\$4,177	3.1%	4.1%	34.8%	18.5%	2.2x	2.2x	2.1x	12.1x	10.5x	9.8
		i			<u>.</u>	J				<u>i</u>					i			<u></u>
Comm. Technology	Upper Q	uartile	98.3%										5.1x	5.5x	5.2x	16.6x	13.6x	11.7
Comm. Technology	Median		93.6%										2.1x	2.2x	2.1x	12.3x	9.9x	9.2
Comm. Technology	Lower Q	uartile	88.1%										1.1x	1.2x	1.2x	9.7x	9.1x	8.0
•																		
<u>Electronics</u>																		
Apple	Jun-18	\$225.74	98.3%	\$1,090,308	\$1,133,938	\$255,274	\$268,351	\$282,865	12.5%	5.4%	38.3%	30.8%	4.4x	4.2x	4.0x	14.4x	13.9x	13.
amsung	Jun-18	\$41.85	80.8%	\$277,869	\$223,549	\$222,109	\$221,107	\$227,959	(1.6%)	3.1%	46.6%	34.0%	1.0x	1.0x	1.0x	3.0x	2.8x	2.8
ony Corporation	Jun-18	\$61.38	99.9%	\$77,881	\$75,105	\$77,862	\$77,766	\$79,462	4.5%	2.2%	27.4%	12.5%	1.0x	1.0x	0.9x	7.7x	7.3x	6.9
anon	Jun-18	\$31.81	80.7%	\$34,347	\$34,947	\$36,827	\$36,493	\$36,696	0.6%	0.6%	47.8%	15.4%	0.9x	1.0x	1.0x	6.1x	6.3x	6.4
anasonic Corporation	Jun-18	\$11.66	73.5%	\$27,201	\$28,520	\$73,309	\$74,060	\$77,582	7.1%	4.8%	28.9%	8.2%	0.4x	0.4x	0.4x	4.7x	4.4x	4.0
G Electronics Inc.	Jun-18	\$63.96	62.0%	\$10,880	\$17,652	\$56,032	\$54,809	\$58,811	(3.2%)	7.3%	24.0%	7.4%	0.3x	0.3x	0.3x	4.3x	3.9x	3.7
_enovo	Jun-18	\$0.73	100.0%	\$8,783	\$11,935	\$47,250	\$49,398	\$51,962	12.7%	5.2%	13.8%	3.3%	0.3x	0.2x	0.2x	7.7x	7.6x	6.8
enovo	04	+																

Source: Capital IQ. Financials are calendarized to December year-end.

80.8%

77.1%

<sup>(4)</sup> AT&T is not adjusted for Time Warner's acquisition.



**Electronics Median** 

Electronics Lower Quartile

0.4x 0.3x 4.5x

<sup>(1)</sup> Market Data including Market Capitalization amounts are based on closing share prices as of September 30, 2018.

<sup>(2)</sup> Enterprise Value (EV) equals Market Capitalization plus Debt, Preferred Equity, and Minority Interest, minus Cash and Cash Equivalents.

<sup>(3)</sup> EBITDA equals Earnings before Interest, Taxes, Depreciation, and Amortization.

### Global TMT Selected Transactions (1): Communications Technology & Electronics

Announced Date	Target Name	Target Country	Acquirer Name	Deal Value (\$ mm)	EV / Revenue	EV / EBITDA
27-Sep-2018	AEMtec GmbH [exceet Group]	Germany	capiton AG	\$101	-	-
25-Sep-2018	Tapingo	U.S.	Grubhub	\$150	-	-
20-Sep-2018	Gimatic Srl [AGIC Capital GmbH]	Italy	Barnes Group	\$432	-	-
13-Sep-2018	Cornershop	U.S.	Walmart	\$225	-	-
11-Sep-2018	Fujitsu Electronics Inc	Japan	Kaga Electronics	\$184	0.1x	-
10-Sep-2018	Integrated Device Technology	U.S.	Renesas Electronics Corporation	\$6,313	7.6x	-
4-Sep-2018	Tintri	U.S.	DataDirect Networks	\$25	0.4x	_
30-Aug-2018	TPG Telecom Limited	Australia	Vodafone Hutchison Australia	\$3,950	2.9x	8.8x
27-Aug-2018	Brooks Automation	U.S.	Edwards Vacuum	\$675	3.5x	-
24-Aug-2018	Digium	U.S.	Sangoma Technologies	\$28	-	-
21-Aug-2018	Thumbworks Technologies	India	CapFloat Financial Services Private Limited	\$30	-	-
15-Aug-2018	KMG Chemicals	U.S.	Cabot Microelectronics	\$1,600	3.6x	15.1x
15-Aug-2018	GreatCall [GTCR LLC]	U.S.	Best Buy Co.	\$800	2.7x	-
7-Aug-2018	WTT HK [MBK Partners/TPG Capital]	China	Hong Kong Broadband Network	\$703	-	-
6-Aug-2018	Avnera Corporation	U.S.	Skyworks Solutions	\$405	-	-
1-Aug-2018	Mendix	N/A	Siemens	\$701	-	-
1-Aug-2018	Elauwit Networks	U.S.	Boingo Wireless	\$28	-	-
24-Jul-2018	Quantum Global Technologies	U.S.	Ultra Clean Holdings	\$342	-	-
24-Jul-2018	Road Track Holding	Mexico	Ituran Location and Control	\$92	1.0x	4.4x
23-Jul-2018	Coriant [Oaktree Capital]	Germany	Infinera Corporation	\$430	0.5x	-
17-Jul-2018	Chengdu Skymoons Digital Entertainment	China	iQiyi	\$190	-	-
12-Jul-2018	eASIC Corporation	U.S.	Intel Corporation	-	-	-
6-Jul-2018	Metallurgica Bresciana	Italy	Sterlite Technologies	\$55	-	-
5-Jul-2018	Xplore Technologies.	U.S.	Zebra Technologies	\$66	0.9x	NM
3-Jul-2018	Wind Tre	Italy	CK Hutchison	\$2,860	-	-
Upper Quartile					3.4x	12.0x
Median					1.9x	8.8x
Lower Quartile					0.6x	6.6x



### Global TMT Selected Public Comps: IT Services and BPO (1/2)

	M	larket D	ata			Operating Metrics							Valuation Multiples					
\$ value millions, except per share	Latest Quarter	Share	% of 52 Week	Market	Enterprise	F	Revenue		Revenue	Growth (3)	LTM Gross	LTM EBITDA	EV	/ Reve	nue	EV	/EBITE	DΑ
Company Name	Ending	Price	High	Cap. (1)	Value (2)	LTM	2018E	2019E	2017 – 2018E	2018E - 2019E	Margin%	Margin%	LTM	2018E	2019E	LTM	2018E	2019E
IT Commercial Serv	rices																	
Accenture	Aug-18	\$170.20	96.9%	\$109,055	\$104,376	\$39,573	\$40,601	\$43,698	14.1%	7.6%	31.4%	17.1%	2.6x	2.6x	2.4x	15.4x	15.1x	14.2x
DXC Technology	Jun-18	\$93.52	86.7%	\$26,294	\$31,111	\$24,602	\$22,340	\$21,808	10.9%	(2.4%)	28.9%	22.0%	1.3x	1.4x	1.4x	5.7x	6.3x	6.4x
Capgemini	Jun-18	\$125.94	90.5%	\$20,953	\$23,760	\$15,143	\$15,138	\$16,042	(1.2%)	6.0%	26.3%	12.4%	1.6x	1.6x	1.5x	12.6x	11.2x	10.6x
CGI Group	Jun-18	\$64.43	95.5%	\$17,969	\$19,307	\$8,603	\$8,900	\$9,152	1.9%	2.8%	29.5%	16.8%	2.2x	2.2x	2.1x	13.4x	11.8x	11.3x
Atos	Jun-18	\$119.09	75.7%	\$12,518	\$12,806	\$14,805	\$14,325	\$15,426	(6.4%)	7.7%	14.5%	12.6%	0.9x	0.9x	0.8x	6.9x	6.4x	5.4x
Virtusa	Jun-18	\$53.71	91.7%	\$1,597	\$1,809	\$1,093	\$1,206	\$1,366	25.4%	13.3%	29.1%	7.5%	1.7x	1.5x	1.3x	21.9x	18.4x	13.5x
Unisys	Jun-18	\$20.40	97.4%	\$1,041	\$1,136	\$2,787	\$2,782	\$2,810	3.0%	1.0%	23.2%	9.7%	0.4x	0.4x	0.4x	4.2x	2.9x	2.8x
Perficient	Jun-18	\$26.65	85.7%	\$928	\$973	\$488	\$497	\$527	9.9%	6.0%	34.9%	11.7%	2.0x	2.0x	1.8x	17.1x	13.0x	11.6x
IT Commercial Svs		ıartile	95.8%										2.1x	2.0x	1.9x	15.8x	13.5x	
IT Commercial Svs			91.1%										1.6x	1.5x	1.5x	13.0x	11.5x	10.9x
IT Commercial Svs	Lower Q	uartile	86.5%										1.2x	1.3x	1.2x	6.6x	6.4x	6.1x
Government Consu	Ilting																	
Tyler Technologies	Jun-18	\$245.06	97.1%	\$9,472	\$9,319	\$889	\$944	\$1,050	11.9%	11.2%	47.4%	22.4%	NM	9.9x	8.9x	46.9x	32.8x	28.7x
Booz Allen Hamilton	Jun-18	\$49.63	94.4%	\$7,073	\$8,726	\$6,296	\$6,526	\$6,953	6.3%	6.6%	23.7%	9.9%	1.4x	1.3x	1.3x	14.1x	13.8x	13.2x
CACI International	Jun-18	\$184.15	91.7%	\$4,550	\$5,545	\$4,468	\$4,633	\$4,947	5.5%	6.8%	33.3%	9.1%	1.2x	1.2x	1.1x	13.6x	12.9x	12.3x
MAXIMUS	Jun-18	\$65.06	89.5%	\$4,179	\$3,934	\$2,455	\$2,400	\$2,480	(2.8%)	3.3%	25.2%	14.9%	1.6x	1.6x	1.6x	10.8x	11.1x	10.6x
Science Applications	Aug-18	\$80.60	86.4%	\$3,425	\$4,327	\$4,563	\$4,580	\$4,743	4.6%	3.6%	9.5%	7.2%	0.9x	0.9x	0.9x	13.1x	13.0x	12.2x
International ManTech International	Jun-18	\$63.30	92.9%	\$2,505	\$2,528	\$1,849	\$1,945	\$2,108	13.3%	8.4%	14.5%	8.1%	1.4x	1.3x	1.2x	16.9x	15.1x	13.6x
ICF International	Jun-18	\$75.45	91.7%	\$1,423	\$1,660	\$1,254	\$1,311	\$1,411	7.9%	7.6%	36.8%	8.9%	1.3x	1.3x	1.2x	14.9x	13.5x	12.0x
							1	L						I	i			
Govt. Consulting U	pper Qua	rtile	93.7%										1.4x	1.5x	1.4x	15.9x	14.4x	13.4x
Govt. Consulting M	ledian		91.7%										1.3x	1.3x	1.2x	14.1x	13.5x	12.3x
Govt. Consulting Lo	ower Qua	rtile	90.6%										1.3x	1.2x	1.1x	13.4x	13.0x	12.1x
O(', l O l''																		
Offshore Consulting Tata Consultancy	Jun-18	\$30.10	98.7%	\$115,245	\$110,084	\$18,484	\$19 1//3	\$22,139	1.2%	15.6%	44.7%	27.1%	6.0x	5.8x	5.0x	22.0x	20.9x	17.6x
Services	Jun-18	\$77.15	90.7%	\$44,765	\$41,267	\$15,512	\$16,167	-	9.2%	8.5%	38.7%	20.6%	2.7x	2.6x	2.4x	12.9x	12.4x	10.7x
Cognizant Infosys	Jun-18	\$10.06	97.5%	\$43,961	\$40,737	\$11,119	<u> </u>	\$11,904	(2.2%)	11.7%	34.8%	26.8%	2.7x 3.7x	3.8x	3.4x	12.5x	12.4x	10.7x
HCL Technologies	Jun-18	\$10.00	96.7%	\$20,881	\$20,076	\$8,008	\$7,772	\$8,944	(2.2%)	15.1%	34.4%	22.9%	2.5x	2.6x	2.2x	10.9x	11.0x	9.7x
Wipro	Jun-18	\$4.47	95.6%	\$20,001	\$17,404	\$8,008	\$7,772	\$8,588	(8.9%)	10.1%	29.1%	18.5%	2.2x	2.0x 2.2x	2.2x 2.0x	10.3x 11.7x	11.0x	10.7x
Tech Mahindra	Jun-18	\$10.28	95.6%	\$9,088	\$8,025	\$4,631	\$4,614	\$5,177	(2.4%)	12.2%	33.0%	15.9%	1.7x	1.7x	1.6x	10.9x	10.0x	8.6x
MphasiS	Jun-18	\$10.28	91.7%	\$3,125	\$2,816	\$997	\$1,019	\$1,163	3.6%	14.1%	42.3%	16.9%	2.8x	2.8x	2.4x	16.7x	15.9x	13.6x
Mindtree	Jun-18	\$10.10	87.4%	\$2,339	\$2,010	\$849	\$908	\$1,059	9.1%	16.6%	31.2%	14.1%	2.6x	2.5x	2.4x 2.1x	18.7x	15.8x	12.9x
Hexaware Technologies		\$5.91	76.9%	\$1,755	\$2,242	\$611	\$628	\$738	1.7%	17.5%	24.3%	15.8%	2.0x 2.7x	2.6x	2.1x 2.2x	17.2x	16.1x	
	, Juli-10	ψυ.σ1	70.076	ψ1,755	ψ1,000	ψΟΙΙ	ψυΖυ	ψ, 30	1.7/0	17.576	27.0/0	10.070	2./^	2.00	2.21	17.24	10.18	10.00
Offshore Consulting	g Upper C	Quartile	96.7%										2.8x	2.7x	2.4x	17.2x	15.7x	12.9x
Offshore Consulting	g Median		95.6%										2.7x	2.6x	2.2x	13.7x	14.4x	12.9x
Offshore Consulting	a Lower (	Quartile	90.7%										2.5x	2.4x	2.1x	11.7x	11.6x	10.6x

Source: Capital IQ. Financials are calendarized to December year-end.

<sup>(3)</sup> EBITDA equals Earnings before Interest, Taxes, Depreciation, and Amortization.



<sup>(1)</sup> Market Data including Market Capitalization amounts are based on closing share prices as of September 30, 2018.

<sup>(2)</sup> Enterprise Value (EV) equals Market Capitalization plus Debt, Preferred Equity, and Minority Interest, minus Cash and Cash Equivalents.

### Global TMT Selected Public Comps: IT Services and BPO (2/2)

	М	arket D	ata			Operating Metrics							Valuation Multiples					
\$ value millions, except per share	Latest Quarter	Share	% of 52 Week	Market	Enterprise		Revenue		Revenue	Growth (3)	LTM Gross	LTM EBITDA	EV	/ Reve	nue	EV	/EBITE	DA
Company Name	Ending	Price	High	Cap. (1)	Value (2)	LTM	2018E	2019E	2017-2018E	2018E-2019E	Margin%	Margin%	LTM	2018E	2019E	LTM	2018E	2019
Management Consu	ılting																	
TI Consulting	Jun-18	\$73.19	89.4%	\$2,714	\$2,969	\$1,927	\$1,957	\$2,021	9.3%	3.3%	34.9%	13.1%	1.5x	1.5x	1.5x	11.8x	12.4x	12.0
luron Consulting	Jun-18	\$49.40	98.0%	\$1,064	\$1,406	\$754	\$768	\$803	4.4%	4.7%	35.5%	12.0%	1.9x	1.8x	1.8x	15.6x	15.6x	13.2
lavigant Consulting	Jun-18	\$23.06	89.2%	\$1,038	\$1,174	\$951	\$729	\$730	(23.6%)	0.2%	31.0%	13.1%	1.2x	1.6x	1.6x	9.5x	16.3x	13.6
he Hackett Group	Jun-18	\$20.15	97.9%	\$594	\$594	\$268	\$295	\$311	3.9%	5.3%	38.2%	15.6%	2.2x	2.0x	1.9x	14.2x	12.2x	10.8
esources Connection	Aug-18	\$16.60	92.5%	\$523	\$529	\$692	\$719	\$745	22.6%	3.6%	38.1%	8.3%	0.8x	0.7x	0.7x	9.3x	12.1x	10.1
RA International	Jun-18	\$50.22	85.5%	\$406	\$418	\$393	\$413	\$444	13.8%	7.5%	30.7%	7.2%	1.1x	1.0x	0.9x	14.8x	NA	N/
nformation Services Group	Jun-18	\$4.78	87.6%	\$216	\$304	\$275	\$285	\$300	4.5%	5.2%	42.2%	9.3%	1.1x	1.1x	1.0x	11.9x	8.6x	7.8
Mgmt. Consulting L	Jpper Qu	artile	95.2%										1.7x	1.7x	1.7x	14.5x	14.8x	12.9
Mgmt. Consulting N	/ledian		89.4%										1.2x	1.5x	1.5x	11.9x	12.3x	11.4
Mgmt. Consulting L	ower Qu	artile	88.4%										1.1x	1.0x	1.0x	10.6x	12.1x	10.3
<b>PO</b> DP	Jun-18	\$150.66	99.6%	\$65,905	\$65,734	\$13,326	\$13,733	\$14,573	7.8%	6.1%	43.2%	21.9%	4.9x	4.8x	4.5x	22.5x	21.6x	18.
aychex	Aug-18	\$73.65	97.3%	\$26,491	\$26,067	\$3,451	\$3,461	\$3,704	7.0%	7.0%	69.5%	41.5%	7.6x	7.5x	7.0x	18.2x	18.6x	17.0
/illis Towers Watson	Jun-18	\$140.94	85.4%	\$18,431	\$22,340	\$8,126	\$8,540	\$8,900	5.3%	4.2%	39.3%	17.2%	2.7x	2.6x	2.5x	15.9x	10.8x	10.2
eleperformance	Jun-18	\$188.80	94.6%	\$10,905	\$12,396	\$4,864	\$5,111	\$5,752	1.2%	12.5%	33.9%	15.2%	2.5x	2.4x	2.2x	16.8x	13.8x	11.8
on Mountain	Jun-18	\$34.52	83.1%	\$9,878	\$17,872	\$4,060	\$4,221	\$4,391	11.2%	4.0%	57.3%	33.9%	4.4x	4.2x	4.1x	13.0x	12.2x	11.4
ienpact	Jun-18	\$30.61	88.0%	\$5,814	\$6,718	\$2,861	\$2,981	\$3,234	9.3%	8.5%	37.3%	14.5%	2.3x	2.3x	2.1x	16.2x	13.3x	11.9
VNS	Jun-18	\$50.75	93.3%	\$2,561	\$2,536	\$778	\$792	\$866	15.1%	9.3%	34.3%	15.1%	3.3x	3.2x	2.9x	21.6x	17.6x	16.5
xIService	Jun-18	\$66.20	98.7%	\$2,272	\$2,107	\$807	\$886	\$1,005	16.7%	13.4%	34.3%	14.0%	2.6x	2.4x	2.1x	18.7x	14.1x	11.9
SG Systems	Jun-18	\$40.14	82.2%	\$1,345	\$1,520	\$819	\$854	\$911	9.0%	6.7%	49.9%	17.1%	1.9x	1.8x	1.7x	10.9x	7.8x	7.8
lykes Enterprises	Jun-18	\$30.49	94.8%	\$1,288	\$1,216	\$1,638	\$1,636	\$1,704	3.7%	4.2%	36.1%	9.9%	0.7x	0.7x	0.7x	7.5x	7.2x	6.5
TEC	Jun-18	\$25.90	59.2%	\$1,196	\$1,421	\$1,511	\$1,498	\$1,565	4.7%	4.4%	24.2%	11.8%	0.9x	0.9x	0.9x	8.0x	7.3x	6.7
irstsource Solutions	Jun-18	\$0.85	73.6%	\$587	\$654	\$522	\$512	\$570	(7.0%)	11.4%	32.3%	13.0%	1.3x	1.3x	1.1x	9.6x	9.8x	8.9
Convergys	Jun-18	\$37.90	94.7%	\$577	\$465	\$229	NA	NA	NA	NA	100.0%	71.3%	2.0x	NA	NA	2.8x	NA	N/
StarTek	Jun-18	\$6.62	80.5%	\$245	\$275	\$270	\$263	\$719	NA	NM	9.8%	1.8%	1.0x	1.0x	0.4x	NM	45.6x	4.13
BPO Upper Quartile			94.8%										3.1x	3.2x	2.9x	18.2x	17.6x	11.9
SPO Median			90.7%										2.4x	2.4x	2.1x	15.9x	13.3x	11.4
BPO Lower Quartile	•		82.4%										1.4x	1.3x	1.1x	9.6x	9.8x	7.8
lanaged Services													l e					
quinix	Jun-18	\$432.89	87.4%	\$34,418	\$44,842	\$4,830	\$5,066	\$5,580	16.2%	10.1%	48.7%	44.2%	9.3x	8.9x	8.0x	21.0x	18.6x	16.
enturyLink	Jun-18	\$21.20	87.6%	\$22,899	\$59,514	\$21,204	\$23,589	\$23,254	33.2%	(1.4%)	55.6%	35.5%	2.8x	2.5x	2.6x	7.9x	6.6x	6.5
eradata	Jun-18	\$37.71	85.2%	\$4,491	\$4,106	\$2,202	\$2,145	\$2,191	0.2%	2.2%	47.0%	6.7%	1.9x	1.9x	1.9x	27.9x	12.5x	10.:
iternap	Jun-18	\$12.63	56.5%	\$255	\$906	\$295	\$323	\$343	15.8%	5.9%	55.2%	29.6%	3.1x	2.8x	2.6x	10.4x	7.9x	7.3
Managed Services I	Innor Ou	artila	87.4%										4.6x	4.3x	4.0x	22.7x	14.0x	11.

Source: Capital IQ. Financials are calendarized to December year-end.

Managed Services Lower Quartile

<sup>(3)</sup> EBITDA equals Earnings before Interest, Taxes, Depreciation, and Amortization.



2.6x 2.4x 2.4x 9.8x 7.6x 7.1x

<sup>(1)</sup> Market Data including Market Capitalization amounts are based on closing share prices as of September 30, 2018.

<sup>(2)</sup> Enterprise Value (EV) equals Market Capitalization plus Debt, Preferred Equity, and Minority Interest, minus Cash and Cash Equivalents.

### Global TMT Selected Transactions (1): IT Services and BPO

Announced Date	Target Name	Target Country	Acquirer Name	Deal Value (\$ mm)	EV / Revenue	EV / EBITDA
24-Sep-18	Ascenty [Great Hill Partners]	Brazil	Digital Realty Trust	\$1,826	-	-
18-Sep-18	Command Security	U.S.	Prosegur Compania de Seguridad	\$29	0.1x	-
14-Sep-18	Avantazh	Ukraine	Mobile Telesystems OJSC	\$129	-	-
12-Sep-18	Sedgwick Claims Management Services [KKR]	U.S.	Carlyle Group	\$6,700	-	-
10-Sep-18	Engility Holdings	U.S.	Science Applications International	\$1,495	1.3x	14.6x
31-Aug-18	Mode Transportation	U.S.	York Capital Management	\$239	-	-
30-Aug-18	TGI Systems Corporation	U.S.	QMS Media	\$40	-	-
28-Aug-18	MCS Solutions	Belgium	Nemetschek Group	\$57	-	-
27-Aug-18	Globecomm Systems [HPS Investment Partners/ Tennenbaum Capital]	U.S.	SpeedCast International	\$135	0.9x	8.4x
17-Aug-18	Brookcourt Solutions	U.K.	Shearwater Group	\$38	1.3x	11.0x
7-Aug-18	Secure Designs	U.S.	ADT Corporation	\$30	3.0x	_
1-Aug-18	Apogee Corporation [Equistone Partners Europe]	U.K.	Hewlett-Packard Company	\$499	-	-
1-Aug-18	Cardinal Solutions	U.S.	Insight Enterprises	\$79	1.1x	-
22-Jul-18	Syntel	U.S.	Atos SE	\$3,400	3.8x	13.7x
16-Jul-18	Basefarm AS [ABRY Partners]	Norway	Orange Business Services	\$409	-	-
16-Jul-18	KeyDrive S.A	Luxembourg	CentralNic Group	\$36	0.6x	-
6-Jul-2018	Damovo Corporate Services [Oakley Capital/ Daisy Group]	U.K.	Eli Global	\$134	-	-
Upper Quartile					1.7x	13.9x
Median					1.2x	12.4x
Lower Quartile					0.8x	10.4x



### Global TMT Selected Public Comps: Internet and Media

	Ma	arket Da	ata			Operating Metrics								Valuation Multiples					
\$ value millions, except per share	Latest Quarter	Share	% of 52 Week	Market	Enterprise		Revenue		Revenue	Growth (3)	LTM Gross	LTM EBITDA	EV	/ Reve	nue	EV	//EBITI	DΑ	
Company Name	Ending	Price	High	Cap. (1)	Value (2)	LTM	2018E	2019E	2017-2018E	2018E-2019E	Margin%	Margin%	LTM	2018E	2019E	LTM	2018E	201	
nternet																			
mazon.com	Jun-18	\$2,003.00	97.7%	\$976,946	\$995,685	\$208,125	\$234,887	\$287,104	32.5%	22.2%	38.8%	9.9%	4.8x	4.2x	3.5x	48.3x	31.0x	23.	
Iphabet Inc.	Jun-18	\$1,207.08	93.5%	\$834,977	\$736,704	\$123,898	\$137,004	\$160,803	24.3%	17.4%	57.4%	30.8%	5.9x	5.4x	4.6x	19.3x	14.7x	12.	
acebook	Jun-18	\$164.46	75.2%	\$474,832	\$432,644	\$48,497	\$55,483	\$69,166	37.8%	24.7%	85.2%	56.5%	8.9x	7.8x	6.3x	15.8x	12.9x	10.	
libaba	Jun-18	\$164.76	77.8%	\$423,751	\$428,653	\$42,451	\$52,767	\$74,678	55.9%	41.5%	52.8%	30.0%	NM	8.1x	5.7x	33.6x	23.9x	17	
encent	Jun-18	\$41.30	67.8%	\$390,589	\$399,883	\$42,119	\$46,315	\$61,982	25.5%	33.8%	48.3%	38.7%	9.5x	8.6x	6.5x	24.6x	23.3x	18	
laidu	Jun-18	\$228.68	80.5%	\$80,063	\$70,894	\$14,189	\$15,086	\$18,239	16.4%	20.9%	58.5%	33.8%	5.0x	4.7x	3.9x	14.8x	16.6x	14	
Bay	Jun-18	\$33.02	70.3%	\$32,675	\$37,909	\$10,065	\$10,805	\$11,646	12.9%	7.8%	77.1%	29.8%	3.8x	3.5x	3.3x	12.6x	10.5x	9.8	
witter	Jun-18	\$28.46	59.6%	\$21,486	\$18,521	\$2,697	\$2,910	\$3,287	21.5%	13.0%	67.3%	21.7%	6.9x	6.4x	5.6x	31.6x	17.3x	14	
inap	Jun-18	\$8.48	40.0%	\$10,832	\$9,278	\$987	\$1,154	\$1,572	45.8%	36.2%	24.0%	NM	9.4x	8.0x	5.9x	NM	NM	N	
tsy	Jun-18	\$51.38	96.5%	\$6,153	\$5,862	\$496	\$595	\$765	35.9%	28.7%	66.3%	15.3%	NM	9.9x	7.7x	NM	43.4x	31	
nternet Upper Qua	rtile		90.2%										9.0x	8.1x	6.2x	32.1x	23.9x	18	
nternet Median			76.5%										6.4x	7.1x	5.7x	21.9x	17.3x	14	
nternet Lower Qua	ırtile		68.4%										4.9x	4.9x	4.1x	15.5x	14.7x	12	
Media_																			
/alt Disney	Jun-18	\$116.94	99.2%	\$173,918	\$198,385	\$57,906	\$59,202	\$61,272	6.1%	3.5%	45.2%	30.1%	3.4x	3.4x	3.2x	11.4x	11.5x	11	
omcast	Jun-18	\$35.41	80.5%	\$162,246	\$223,492	\$87,179	\$89,536	\$93,031	6.1%	3.9%	69.3%	32.6%	2.6x	2.5x	2.4x	7.9x	7.6x	7.	
wenty-First Century ox	Jun-18	\$46.33	92.4%	\$85,423	\$99,322	\$30,400	\$31,394	\$32,759	7.3%	4.3%	34.8%	22.7%	3.3x	3.2x	3.0x	14.4x	13.7x	12	
iky	Jun-18	\$22.56	99.9%	\$38,737	\$47,325	\$17,925	\$18,326	\$19,213	2.2%	4.8%	43.4%	14.7%	2.6x	2.6x	2.5x	18.0x	14.9x	13	
BS	Jun-18	\$57.45	93.3%	\$21,626	\$31,224	\$14,319	\$14,648	\$15,682	8.7%	7.1%	37.5%	21.7%	2.2x	2.1x	2.0x	10.0x	9.4x	8.	
EA Group	Jun-18	\$62.20	91.3%	\$8,193	\$8,422	\$642	\$611	\$704	6.4%	15.3%	72.6%	49.7%	NM	NM	NM	26.4x	23.5x	20	
lews Corp.	Jun-18	\$13.19	76.3%	\$7,796	\$8,920	\$9,024	\$9,957	\$10,376	20.7%	4.2%	45.7%	9.6%	1.0x	0.9x	0.9x	10.3x	7.6x	6.	
agardère	Jun-18	\$30.80	92.4%	\$3,947	\$5,804	\$8,546	\$8,329	\$8,695	(1.7%)	4.4%	46.9%	8.6%	0.7x	0.7x	0.7x	7.9x	7.7x	7.	
Singapore Press	May-18	\$2.10	98.3%	\$3,391	\$4,655	\$750	\$703	\$714	(5.0%)	1.5%	50.9%	34.1%	6.2x	6.6x	6.5x	18.2x	20.2x	19.	
DMGT	Mar-18	\$9.16	89.9%	\$3,062	\$3,770	\$2,128	\$1,853	\$1,874	(22.9%)	1.1%	37.0%	11.1%	1.8x	2.0x	2.0x	16.0x	13.9x	13.	
				J				Å							i				
∕ledia Upper Quart	ile		97.0%										3.3x	3.2x	3.0x	17.5x	14.6x	13.	
/ledia Median			92.4%										2.6x	2.5x	2.4x	12.9x	12.6x	11	
/ledia Lower Quart	ile		90.2%										1.8x	2.0x	2.0x	10.1x	8.1x	7.	
nformation Service	96																		
&P Global	Jun-18	\$195.39	89.9%	\$49,141	\$52,400	\$6,277	\$6,435	\$6,843	7.7%	6.3%	72.1%	48.9%	8.3x	8.1x	7.7x	17.1x	16.5x	15	
Moody's	Jun-18	\$167.20	88.9%	\$32,086	\$36,226	\$4,530	\$4,619	\$4,926	12.3%	6.6%	71.4%	47.2%	8.0x	7.8x	7.4x	17.0x	16.3x	15	
homson Reuters	Jun-18	\$45.60	96.4%	\$31,917	\$39,476	\$11,412	\$5,503	\$5,895	(51.4%)	7.1%	28.3%	21.8%	3.5x	7.0x 7.2x	6.7x	17.0x	31.0x	28	
xperian	Mar-18	\$25.71	98.8%	\$23,201	\$26,437	\$4,662	\$4,845	\$5,033	12.7%	3.6%	42.9%	30.7%	5.7x	5.5x	5.3x	18.5x	15.8x	15	
		-				<del> </del>	+											┼	
earson	Jun-18	\$11.61	91.5%	\$8,999	\$10,116	\$5,715	\$5,499	\$5,454	(11.3%)	(0.8%)	54.2%	13.1%	1.8x	1.8x	1.9x	13.5x	11.3x	10	
nformation Service	es Upper (	Quartile	96.4%	_			_	_			_	_	8.0x	7.8x	7.4x	17.1x	16.5x	15.	
nformation Service			91.5%										5.7x	7.2x	6.7x	17.0x			

Source: Capital IQ. Financials are calendarized to December year-end.

Information Services Lower Quartile 89.9%

<sup>(3)</sup> EBITDA equals Earnings before Interest, Taxes, Depreciation, and Amortization.



3.5x 5.5x 5.3x 15.9x 15.8x 15.0x

<sup>(1)</sup> Market Data including Market Capitalization amounts are based on closing share prices as of September 30, 2018.

<sup>(2)</sup> Enterprise Value (EV) equals Market Capitalization plus Debt, Preferred Equity, and Minority Interest, minus Cash and Cash Equivalents.

### Global TMT Selected Transactions (1): Internet and Media

Announced Date	Target Name	Target Country	Acquirer Name	Deal Value (\$ mm)	EV / Revenue	EV / EBITDA
28-Sep-2018	CafePress Inc	U.S.	Snapfish	\$25	0.1x	-
25-Sep-2018	XO Group Inc	U.S.	WeddingWire [Permira Funds]	\$933	5.0x	30.3x
25-Sep-2018	BuildASign.com [PWP Growth Equity]	U.S.	Cimpress N.V.	\$280	2.2x	-
24-Sep-2018	Sky plc	U.K.	Comcast	\$39,276	2.6x	17.1x
24-Sep-2018	Pandora Media	U.S.	Sirius XM Radio	\$3,230	2.4x	-
13-Sep-2018	Shengqu Technology	China	Zhejiang Century Huatong	\$4,344	=	-
30-Aug-2018	Reis	U.S.	Moodys Corporation	\$278	5.5x	27.2x
8-Aug-2018	Dun & Bradstreet	U.S.	CC Capital/Cannae Holdings/Thomas H. Lee Partners	\$5,383	3.9x	11.1x
1-Aug-2018	Linio Group	Mexico	S.A.C.I. Falabella	\$138	1.0x	-
31-Jul-2018	InvestmentNews	U.S.	Vitesse Media	\$27	=	-
30-Jul-2018	RLJ Entertainment	U.S.	AMC Networks	\$274	-	-
28-Jul-2018	10bis.co.il	Israel	Takeaway.com	\$158	-	-
25-Jul-2018	CQ Roll Call	U.S.	FiscalNote	\$180	-	-
18-Jul-2018	FINANZCHECK.de	Germany	Scout24 AG	\$334	-	-
13-Jul-2018	Student Loan Hero	U.S.	LendingTree	\$60	-	-
4-Jul-2018	Baihe Jiayuan Network	China	Fosun International	\$601	-	-
2-Jul-2018	Quartz Media	U.S.	Uzabase Inc	\$75	1.9x	-
2-Jul-2018	DuProprio	Canada	Purplebricks Group	\$39	-	11.6x
Upper Quartile					3.9x	27.2x
Median					2.4x	17.1x
Lower Quartile					1.9x	11.6x



### Global TMT Selected Public Comps: Software (1/2)

Market Data						Operating Metrics								Valuation Multiples					
\$ value millions, except per share		% of 52		Enterprise	Revenue		Revenue Growth <sup>(3)</sup>		LTM Gross	LTM EBITDA	EV/Revenue		nue	EV/		EBITDA			
Company Name					LTM	2018E	2019E	2017-2018E	2018E - 2019E	Margin%	Margin%	LTM	2018E	2019E	LTM	2018E	2019E		
Diversified Softwa	<u>re</u>																		
Microsoft	Jun-18	\$114.37	99.2%	\$877,014	\$830,853	\$110,360	\$117,083	\$128,837	15.7%	10.0%	65.2%	40.7%	7.5x	7.1x	6.4x	18.5x	17.1x	15.3x	
Alphabet Inc.	Jun-18	\$1,207.08	93.5%	\$834,977	\$736,704	\$123,898	\$137,004	\$160,803	24.3%	17.4%	57.4%	30.8%	5.9x	5.4x	4.6x	19.3x	14.7x	12.1x	
Cisco Systems	Jul-18	\$48.65	99.2%	\$222,395	\$201,488	\$49,330	\$50,685	\$52,378	5.6%	3.3%	62.2%	29.9%	4.1x	4.0x	3.8x	13.7x	11.2x	10.8x	
Oracle	Aug-18	\$51.56	96.4%	\$195,342	\$194,044	\$39,920	\$39,782	\$40,721	2.0%	2.4%	79.7%	40.5%	4.9x	4.9x	4.8x	12.0x	10.4x	10.1x	
SAP	Jun-18	\$123.23	97.8%	\$147,082	\$150,344	\$27,599	\$28,380	\$30,664	0.5%	8.0%	70.1%	26.2%	5.4x	5.3x	4.9x	20.8x	15.8x	14.4x	
BM	Jun-18	\$151.21	88.4%	\$138,020	\$172,022	\$80,771	\$80,246	\$79,975	2.1%	(0.3%)	45.5%	21.1%	2.1x	2.1x	2.2x	10.1x	8.9x	8.6x	
Adobe Systems	Aug-18	\$269.95	97.2%	\$131,772	\$128,712	\$8,572	\$8,994	\$10,731	24.1%	19.3%	87.1%	36.0%	NM	NM	NM	41.7x	32.1x	26.1x	
Salesforce.com	Jul-18	\$159.03	98.7%	\$120,338	\$121,309	\$11,793	\$13,190	\$15,855	26.3%	20.2%	74.0%	9.4%	NM	9.2x	7.7x	NM	38.6x	31.2x	
Diversified Softwa	re Upper	Quartile	98.8%										5.8x	6.2x	5.7x	20.0x	20.8x	18.0x	
Diversified Softwa	re Mediar	1	97.5%										5.2x	5.3x	4.8x	18.5x	15.2x	13.2x	
Diversified Softwa	re Lower	Quartile	95.7%										4.3x	4.4x	4.2x	12.8x	11.0x	10.6x	
Mid-Cap SaaS (< \$																			
SurveyMonkey Inc	Jun-18	\$16.03	80.2%	\$1,995	\$2,362	\$234	NA	NA	NA	NA	71.1%	0.6%	NM	NA	NA	NM	NA	NA	
Mindbody	Jun-18	\$40.65	89.3%	\$1,940	\$1,861	\$212	\$248	\$311	36.3%	25.2%	70.7%	(5.6%)	8.8x	7.5x	6.0x	NM	NM	NM	
Hortonworks, Inc.	Jun-18	\$22.81	87.0%	\$1,856	\$1,774	\$309	\$342	\$422	33.0%	23.2%	71.3%	(53.0%)	5.7x	5.2x	4.2x	NM	NM	NM	
SPS Commerce	Jun-18	\$99.24	98.6%	\$1,734	\$1,562	\$235	\$245	\$268	11.4%	9.4%	66.7%	10.5%	6.7x	6.4x	5.8x	NM	32.5x	27.5x	
Rapid7, Inc.	Jun-18	\$36.92	93.7%	\$1,726	\$1,611	\$221	\$239	\$287	19.1%	19.9%	70.4%	(21.3%)	7.3x	6.7x	5.6x	NM	NM	NM	
Norkiva	Jun-18	\$39.50	97.2%	\$1,711	\$1,649	\$226	\$241	\$276	16.5%	14.6%	71.4%	(24.1%)	7.3x	6.9x	6.0x	NM	NM	NM	
SendGrid, Inc.	Jun-18	\$36.79	95.2%	\$1,707	\$1,541	\$128	\$144	\$179	31.0%	24.9%	74.3%	4.6%	NM	NM	8.6x	NM	NM	NM	
Everbridge	Jun-18	\$57.64	91.5%	\$1,694	\$1,680	\$123	\$144	\$182	38.9%	26.2%	69.2%	(25.5%)	NM	NM	9.2x	NM	NM	NM	
Apptio	Jun-18	\$36.96	89.4%	\$1,647	\$1,506	\$212	\$232	\$271	24.9%	16.7%	69.3%	(6.9%)	7.1x	6.5x	5.6x	NM	NM	NM	
LivePerson	Jun-18	\$25.95	94.7%	\$1,619	\$1,550	\$234	\$247	\$276	13.1%	11.9%	74.6%	3.6%	6.6x	6.3x	5.6x	NM	NM	NM	
Carbon Black, Inc.	Jun-18	\$21.18	60.5%	\$1,437	\$1,258	\$187	\$207	\$254	NA	22.7%	78.1%	(30.2%)	6.7x	6.1x	5.0x	NM	NM	NM	
Benefitfocus	Jun-18	\$40.45	90.5%	\$1,290	\$1,365	\$267	\$257	\$287	0.0%	11.8%	53.4%	0.2%	5.1x	5.3x	4.8x	NM	NM	NM	
nstructure	Jun-18	\$35.40	72.0%	\$1,233	\$1,116	\$184	\$208	\$260	32.7%	25.2%	70.5%	(26.6%)	6.1x	5.4x	4.3x	NM	NM	NM	
Domo, Inc.	Jul-18	\$21.45	74.3%	\$565	\$423	\$125	\$137	\$166	NA	20.7%	61.0%	NM	3.4x	3.1x	2.6x	NM	NM	NM	
Mobilelron	Jun-18	\$5.30	92.8%	\$545	\$446	\$181	\$194	\$213	11.3%	9.9%	83.0%	(25.9%)	2.5x	2.3x	2.1x	NM	NM	NM	
Castlight Health	Jun-18	\$2.70	45.4%	\$372	\$303	\$145	\$153	\$165	17.3%	7.2%	60.5%	(36.1%)	2.1x	2.0x	1.8x	NM	NM	28.5x	
Mid-Cap SaaS Upp	er Qua <u>rti</u>	le	94.0%				_	_					7.1x	6.5x	5.9x	NM	32.5x	28.2x	
Mid-Cap SaaS Med			89.9%										6.6x	6.1x	5.6x	NM	32.5x	28.0x	
Mid-Cap SaaS Low	ver Quarti	le	78.7%										5.1x	5.2x	4.3x	NM	32.5x	27.7x	

Source: Capital IQ. Financials are calendarized to December year-end.

<sup>(3)</sup> EBITDA equals Earnings before Interest, Taxes, Depreciation, and Amortization.



<sup>(1)</sup> Market Data including Market Capitalization amounts are based on closing share prices as of September 30, 2018.

<sup>(2)</sup> Enterprise Value (EV) equals Market Capitalization plus Debt, Preferred Equity, and Minority Interest, minus Cash and Cash Equivalents.

### Global TMT Selected Public Comps: Software (2/2)

Market Data					Operating Metrics							Valuation Multiples						
\$ value millions,	Latest		% of 52				Davianua		Revenue Growth <sup>(3)</sup>		LTM	LTM	-	EV/Revenue		5,450		24
except per share	Quarter	Share	Week	Market	Enterprise		Revenue				Gross	EBITDA		_	_		/ EBITI	$\overline{}$
Company Name	Ending	Price	High	Cap. (1)	Value (2)	LTM	2018E	2019E	2017-2018E	2018E - 2019E	Margin%	Margin%	LTM	2018E	2019E	LTM	2018E	2019E
Large-Cap SaaS (> \$																		
Salesforce.com	Jul-18	\$159.03	98.7%	\$120,338	\$121,309	\$11,793	\$13,190		26.3%	20.2%	74.0%	9.4%	NM	9.2x	7.7x	NM	38.6x	31.2x
ServiceNow	Jun-18	\$195.63	94.8%	\$34,812	\$33,919	\$2,276	\$2,604	\$3,358	36.0%	29.0%	75.5%	1.7%	NM	NM	NM	NM	NM	36.5x
Workday	Jul-18	\$145.98	92.9%	\$31,678	\$29,870	\$2,428	\$2,770	\$3,463	29.8%	25.0%	70.6%	(7.0%)	NM	NM	8.6x	NM	NM	46.8x
Atlassian	Jun-18	\$96.14	99.1%	\$22,703	\$21,789	\$874	\$1,011	\$1,313	37.9%	29.9%	80.2%	0.5%	NM	NM	NM	NM	NM	NM
Shopify	Jun-18	\$164.46	93.1%	\$17,571	\$15,997	\$854	\$1,035	\$1,439	56.7%	39.0%	56.5%	(5.6%)	NM	NM	NM	NM	NM	NM
Veeva Systems	Jul-18	\$108.87	99.8%	\$15,733	\$14,722	\$763	\$843	\$997	23.9%	18.3%	69.7%	24.2%	NM	NM	NM	NM	49.6x	41.4x
Dropbox, Inc. The Ultimate Software	Jun-18	\$26.83	61.7%	\$10,794	\$9,980	\$1,248	\$1,373	\$1,591	NA	15.8%	68.5%	(29.1%)	8.0x	7.3x	6.3x	NM	33.3x	28.5x
Group	Jun-18	\$322.19	96.9%	\$10,043	\$9,867	\$1,035	\$1,138	\$1,355	21.8%	19.1%	62.6%	10.3%	9.5x	8.7x	7.3x	NM	36.0x	29.4x
Tableau Software	Jun-18	\$111.74	94.6%	\$9,268	\$8,356	\$993	\$981	\$1,135	12.9%	15.7%	87.1%	(12.5%)	8.4x	8.5x	7.4x	NM	NM	NM
Twilio	Jun-18	\$86.28	97.1%	\$8,408	\$8,036	\$493	\$589	\$754	51.7%	27.9%	53.2%	(15.8%)	NM	NM	NM	NM	NM	NM
DocuSign, Inc.	Jul-18	\$52.57	76.9%	\$8,243	\$7,425	\$602	\$686	\$841	NA	22.5%	73.9%	(48.5%)	NM	NM	8.8x	NM	NM	NM
Okta	Jul-18	\$70.36	93.2%	\$7,682	\$7,410	\$326	\$375	\$499	44.5%	33.1%	70.5%	(37.0%)	NM	NM	NM	NM	NM	NM
Zendesk	Jun-18	\$71.00	98.3%	\$7,523	\$7,285	\$506	\$586	\$764	37.3%	30.5%	70.0%	(19.6%)	NM	NM	9.5x	NM	NM	NM
RingCentral	Jun-18	\$93.05	94.8%	\$7,408	\$7,202	\$581	\$654	\$807	31.2%	23.5%	76.2%	(1.5%)	NM	NM	8.9x	NM	NM	NM
RealPage	Jun-18	\$65.90	99.7%	\$5,964	\$6,190	\$774	\$871	\$1,003	29.5%	15.1%	60.6%	16.8%	8.0x	7.1x	6.2x	47.5x	27.0x	21.8x
HubSpot	Jun-18	\$150.95	93.1%	\$5,856	\$5,614	\$441	\$499	\$623	34.6%	24.9%	80.2%	(8.0%)	NM	NM	9.0x	NM	NM	NM
Wix.com Ltd.	Jun-18	\$119.70	98.8%	\$5,787	\$5,437	\$513	\$599	\$759	41.2%	26.8%	81.3%	(6.7%)	NM	9.1x	7.2x	NM	48.7x	30.6x
Proofpoint	Jun-18	\$106.33	81.6%	\$5,588	\$5,658	\$612	\$708	\$900	39.0%	27.0%	71.5%	(5.9%)	9.3x	8.0x	6.3x	NM	NM	40.8x
athenahealth	Jun-18	\$133.60	81.5%	\$5,411	\$5,453	\$1,287	\$1,349	\$1,484	11.3%	10.0%	54.2%	18.8%	4.2x	4.0x	3.7x	22.5x	14.5x	12.9x
New Relic	Jun-18	\$94.23	82.1%	\$5,325	\$4,995	\$383	\$437	\$550	33.4%	25.9%	83.1%	(4.1%)	NM	NM	9.1x	NM	NM	NM
Pivotal Software, Inc.	Aug-18	\$19.58	62.7%	\$5,040	\$4,369	\$582	\$651	\$804	NA	23.4%	59.9%	(22.1%)	7.5x	6.7x	5.4x	NM	NM	NM
Xero	Mar-18	\$35.47	93.2%	\$4,953	\$4,899	\$294	\$338	\$441	24.9%	30.7%	81.2%	(4.9%)	NM	NM	NM	NM	NM	NM
LogMeIn	Jun-18	\$89.10	66.1%	\$4,622	\$4,623	\$1,130	\$1,191	\$1,254	17.4%	5.3%	78.3%	30.2%	4.1x	3.9x	3.7x	13.6x	10.6x	9.8x
Coupa Software	Jul-18	\$79.10	93.6%	\$4,593	\$4,318	\$219	\$245	\$304	34.7%	24.3%	68.9%	(17.1%)	NM	NM	NM	NM	NM	NM
Medidata Solutions	Jun-18	\$73.31	82.5%	\$4,372	\$4,346	\$587	\$637	\$757	16.8%	18.9%	76.5%	15.5%	7.4x	6.8x	5.7x	47.9x	28.8x	22.7x
2U	Jun-18	\$75.19	76.3%	\$4,318	\$3,854	\$347	\$411	\$548	44.2%	33.4%	78.1%	(7.7%)	NM	9.4x	7.0x	NM	NM	NM
Paylocity Holding Corporation	Jun-18	\$80.32	90.8%	\$4,238	\$4,101	\$378	\$412	\$498	23.8%	20.8%	60.5%	8.5%	NM	10.0x	8.2x	NM	42.0x	28.5x
Elastic N.V.	Jul-18	\$60.94	82.1%	\$4,235	\$4,383	\$185	NA	NA	NA	NA	73.6%	(27.3%)	NM	NA	NA	NM	NA	NA
Alteryx	Jun-18	\$57.21	90.6%	\$3,483	\$3,320	\$162	\$193	\$257	50.3%	33.5%	86.5%	(8.6%)	NM	NM	NM	NM	NM	NM
Qualys	Jun-18	\$89.10	90.6%	\$3,475	\$3,152	\$255	\$279	\$331	21.3%	18.6%	76.8%	26.2%	NM	NM	9.5x	47.1x	30.2x	25.5x
Box	Jul-18	\$23.91	80.3%	\$3,386	\$3,275	\$555	\$608	<b>\$735</b>	20.0%	21.0%	72.7%	(18.8%)	5.9x	5.4x	4.5x	NM	NM	NM
Cornerstone OnDemand	Jun-18	\$56.75	95.9%	\$3,335	\$3,233	\$519	\$524	\$568	8.5%	8.3%	71.7%	(2.3%)	6.2x	6.2x	5.7x	NM	38.6x	24.4x
Ellie Mae, Inc.	Jun-18	\$94.77	81.1%	\$3,283	\$3,040	\$463	\$499	\$582	20.8%	16.7%	59.2%	14.7%	6.6x	6.1x	5.2x	44.7x	23.1x	17.4x
Smartsheet Inc.	Jul-18	\$31.26	92.0%	\$3,212	\$3,009	\$141	\$168	\$235	NA	39.4%	80.7%	(27.8%)	NM	NM	NM	NM	NM	NM
BlackLine	Jun-18	\$56.47	97.2%	\$3,046	\$2,931	\$204	\$226	\$280	29.4%	24.2%	77.7%	(9.1%)	NM	NM	NM	NM	NM	NM
AppFolio	Jun-18	\$78.40	85.7%	\$2,683	\$2,630	\$165	\$185	\$230	30.2%	24.4%	61.9%	12.8%	NM	NM	NM	NM	NM	41.0x
Cloudera	Jul-18	\$17.65	78.7%	\$2,667	\$2,289	\$411	\$447	\$535	23.3%	19.7%	68.0%	(42.9%)	5.6x	5.1x	4.3x	NM	NM	NM
Q2 Holdings, Inc.	Jun-18	\$60.55	90.2%	\$2,596	\$2,495	\$215	\$239	\$296	23.1%	23.8%	49.5%	(5.6%)	NM	NM	8.4x	NM	NM	NM
Five9, Inc.	Jun-18	\$43.69	88.3%	\$2,547	\$2,479	\$226	\$246	\$289	24.9%	17.5%	59.0%	4.8%	NM	NM	8.6x	NM	NM	NM
Mimecast	Jun-18	\$41.88	89.4%	\$2,501	\$2,424	\$282	\$317	\$381	33.0%	20.0%	73.3%	5.8%	8.6x	7.6x	6.4x	NM	NM	39.2x
Zuora, Inc.	Jul-18	\$23.11	61.2%	\$2,489	\$2,328	\$206	\$229	\$290	NA	26.4%	50.8%	(26.3%)	NM	NM	8.0x	NM	NM	NM
Yext	Jul-18	\$23.70	87.2%	\$2,336	\$2,212	\$199	\$228	\$301	33.8%	32.1%	74.4%	(34.2%)	NM	9.7x	7.4x	NM	NM	NM
Talend S.A.	Jun-18	\$69.74	94.9%	\$2,084	\$1,992	\$176	\$205	\$261	38.1%	27.1%	76.7%	(17.6%)	NM	9.7x	7.6x	NM	NM	NM
Pluralsight, Inc.	Jun-18	\$32.00	83.4%	\$2,013	\$1,933	\$194	\$224	\$299	NA	33.7%	70.3%	(43.7%)	10.0x	8.6x	6.5x	NM	NM	NM

Large-Cap SaaS Upper Quartile	94.8%	8.5x	9.1x	8.5x	47.4x	38.6x	38.5x
Large-Cap SaaS Median	90.7%	7.5x	7.6x	7.3x	45.9x	33.3x	29.0x
Large-Cap SaaS Lower Quartile	82.0%	6.1x	6.2x	6.0x	28.0x	27.0x	23.1x

Source: Capital IQ. Financials are calendarized to December year-end.

<sup>(3)</sup> EBITDA equals Earnings before Interest, Taxes, Depreciation, and Amortization.



<sup>(1)</sup> Market Data including Market Capitalization amounts are based on closing share prices as of September 30, 2018.

<sup>(2)</sup> Enterprise Value (EV) equals Market Capitalization plus Debt, Preferred Equity, and Minority Interest, minus Cash and Cash Equivalents.

### Global TMT Selected Transactions (1): Software

Announced Date	Target Name	Target Country	Acquirer Name	Deal Value (\$ mm)	EV / Revenue	EV / EBITDA
27-Sep-2018	SICOM [LLR Partners]	U.S.	Global Payments	\$415	-	-
20-Sep-2018	Marketo [Vista Equity Partners]	U.S.	Adobe Systems	\$4,750	-	-
20-Sep-2018	NewVoiceMedia	U.K.	Vonage Holdings	\$350	14.8x	-
14-Sep-2018	Cinnober Financial Technology	Sweden	NASDAQ Inc	\$190	2.1x	-
6-Sep-2018	Intralinks Holdings [Siris Capital Group]	U.S.	SS&C Technologies Inc	\$1,500	4.6x	-
6-Sep-2018	Episerver AB [Accel-KKR]	Sweden	Insight Venture Partners	\$1,160	8.9x	29.0x
4-Sep-2018	Apttus Inc	U.S.	Thoma Bravo	\$1,600	7.1x	-
4-Sep-2018	relayr Inc	U.S.	Munich Re AG	\$300	-	-
4-Sep-2018	OpsGenie	U.S.	Atlassian Pty	\$295	-	-
29-Aug-2018	Opcity Inc	U.S.	Move Inc	\$210	-	-
27-Aug-2018	CloudHealth Technologies	U.S.	VMware Inc	\$550	-	-
15-Aug-2018	SugarCRM Inc	U.S.	Accel-KKR	\$190	2.0x	38.0x
10-Aug-2018	TravelClick [Thoma Bravo]	U.S.	Amadeus IT Group	\$1,520	-	17.7x
3-Aug-2018	Alchemy Systems [Riverside]	] U.S.	Intertek Group	\$480	-	-
2-Aug-2018	AdvancedMD Software [Marlin Equity Partners]	U.S.	Global Payments	\$700	-	-
31-Jul-2018	Accruent [Genstar Capital]	U.S.	Fortive Corporation	\$2,000	-	=
31-Jul-2018	Eze Software [TPG Capital]	U.S.	SS&C Technologies Inc	\$1,450	-	-
31-Jul-2018	SpringCM Inc	U.S.	DocuSign Inc	\$220	8.8x	-
31-Jul-2018	Nexus Vehicle Management	U.K.	Phoenix Equity Partners	\$186	-	-
25-Jul-2018	SCVNGR Inc	U.S.	Grubhub Inc	\$390	-	-
25-Jul-2018	MetaPack Ltd	U.K.	Stamps.com Inc	\$230	4.5x	-
20-Jul-2018	Charles River Systems	U.S.	State Street Corporation	\$2,600	-	-
17-Jul-2018	NAVEX Global [Vista Equity Partners]	U.S.	BC Partners	\$1,400	-	-
17-Jul-2018	PeopleDoc SAS	France	Ultimate Software Group	\$300	-	-
16-Jul-2018	Datorama Inc	U.S.	salesforce.com	\$744	14.5x	-
11-Jul-2018	CA Inc	U.S.	Broadcom Inc	\$18,900	4.3x	12.3x
10-Jul-2018	AlienVault Inc	U.S.	AT&T Corporation	\$600	4.8x	-
9-Jul-2018	LifeWorks Corporation	U.S.	Morneau Shepell	\$325	3.1x	-
2-Jul-2018	SUSE [Micro Focus]	U.S.	EQT AB	\$2,535	7.9x	-
2-Jul-2018	Gordian Group [Warburg Pincus & Co.]	U.S.	Fortive Corporation	\$775	-	-
Upper Quartile					8.8x	31.3x
Median					4.8x	23.4x
Lower Quartile					4.3x	16.4x



# Global TMT Coverage Team

### Global Coverage. Industry Knowledge. Middle-Market Focus.

The Corporate Finance practices of KPMG International's network of independent member firms (KPMG) have been ranked collectively as the number one global mid-market advisor based on total deal volume announced from 2013 to 2017, according to Thomson Reuters SDC. KPMG firms operate in 155 countries with over 2,600 professionals who are able to meet the needs of clients across the globe.

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