

Table of Contents – Controller & Adapter

	Page No.
Executive Summary	
Significant Changes	1
Overview	1
Definitions	6
Vendor Product Maps	7
Methodology	9
 Worldwide Tables (Mfg. Revenue, Units and/or Ports, Mfg. ASP)	
Table 1: Worldwide Ethernet – Controller & Adapter Market – by Speed	1
Table 2: Worldwide Ethernet – Controller & Adapter Market – by Platform Type	3
Table 3: Worldwide 1 Gbps Ethernet – Controller & Adapter Market – Server Attach	4
Table 4: Worldwide 10 Gbps Ethernet – Controller & Adapter Market – Total	5
Table 5: Worldwide 10 Gbps Ethernet – Controller & Adapter Market – Controllers	6
Table 6: Worldwide 10 Gbps Ethernet – Controller & Adapter Market – Fiber/Copper Split.....	7
Table 7: Worldwide 25 Gbps Ethernet – Controller & Adapter Market – Total	8
Table 8: Worldwide 25 Gbps Ethernet – Controller & Adapter Market – Controllers	9
Table 9: Worldwide 25 Gbps Ethernet – Controller & Adapter Market – Fiber/Copper Split.....	10
Table 10: Worldwide 40 Gbps Ethernet – Controller & Adapter Market – Total	11
Table 11: Worldwide 40 Gbps Ethernet – Controller & Adapter Market – Controllers	12
Table 12: Worldwide 40 Gbps Ethernet – Controller & Adapter Market – Fiber/Copper Split.....	13
Table 13: Worldwide 50 Gbps Ethernet – Controller & Adapter Market – Total	14
Table 14: Worldwide 50 Gbps Ethernet – Controller & Adapter Market – Controllers	15
Table 15: Worldwide 50 Gbps Ethernet – Controller & Adapter Market – Fiber/Copper Split.....	16
Table 16: Worldwide 100 Gbps Ethernet – Controller & Adapter Market – Total	17
Table 17: Worldwide 100 Gbps Ethernet – Controller & Adapter Market – Controllers	18
Table 18: Worldwide 100 Gbps Ethernet – Controller & Adapter Market – Fiber/Copper Split.....	19
Appendix 1: Worldwide Total Ethernet – Controller & Adapter Market – Smart NIC – by Speed.....	20
Appendix 2: Worldwide Total Ethernet – Controller & Adapter Market – Smart NIC – by Platform Type ...	22
Appendix 3: Worldwide Total Ethernet – Controller & Adapter Market – Standard NIC vs. Smart NIC.....	23
Appendix 4: Worldwide Total Ethernet – Controller & Adapter Market – Vendor Type.....	24
Appendix 5: Worldwide Total Ethernet – Controller & Adapter Market – FCoE Enabled	26
Appendix 6: Worldwide InfiniBand – Controller & Adapter Market – Total by Port Speed.....	27
 Vendor Tables	
Total Gbps Ethernet – Controller & Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	28
 1 Gbps Ethernet – Controller & Adapter – Server Attach	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	32
 1 Gbps Ethernet – Controller – Server Attach	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	36
 1 Gbps Ethernet – Stand-alone Adapter – Server Attach	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	40
 10 Gbps Ethernet – Controller & Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	44
 10 Gbps Ethernet – Controller	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	48
Worldwide – Server Attach – Mfg. Revenue, Units, Ports, Mfg. Port ASP	52
Worldwide – Non-Server Attach – Mfg. Revenue, Units, Ports, Mfg. Port ASP.....	56

Table of Contents – Controller & Adapter

	Page No.
10 Gbps Ethernet – Daughter Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	60
10 Gbps Ethernet – Mezzanine Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	64
10 Gbps Ethernet – Stand-alone Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	68
10 Gbps Ethernet – Fiber/Copper Split	
Worldwide – Fiber Ports	72
Worldwide – Copper Ports – Total.....	73
Worldwide – Copper Ports – Direct Attach Copper.....	74
Worldwide – Copper Ports – Base-T	75
Worldwide – Copper Ports – Others	76
25 Gbps Ethernet – Controller & Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	77
25 Gbps Ethernet – Controller	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	81
Worldwide – Server Attach – Mfg. Revenue, Units, Ports, Mfg. Port ASP.....	85
Worldwide – Non-Server Attach – Mfg. Revenue, Units, Ports, Mfg. Port ASP.....	89
25 Gbps Ethernet – Daughter Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	93
25 Gbps Ethernet – Mezzanine Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	97
25 Gbps Ethernet – Stand-alone Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	101
25 Gbps Ethernet – Fiber/Copper Split	
Worldwide – Fiber Ports	105
Worldwide – Copper Ports – Total.....	106
Worldwide – Copper Ports – Direct Attach Copper.....	107
Worldwide – Copper Ports – Base-T	108
Worldwide – Copper Ports – Others	109
40 Gbps Ethernet – Controller & Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	110
40 Gbps Ethernet – Controller	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	114
Worldwide – Server Attach – Mfg. Revenue, Units, Ports, Mfg. Port ASP.....	118
Worldwide – Non-Server Attach – Mfg. Revenue, Units, Ports, Mfg. Port ASP.....	122
40 Gbps Ethernet – Daughter Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	126
40 Gbps Ethernet – Mezzanine Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	130

Table of Contents – Controller & Adapter

	Page No.
40 Gbps Ethernet – Stand-alone Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	134
40 Gbps Ethernet – Fiber/Copper Split	
Worldwide – Fiber Ports	138
Worldwide – Copper Ports – Total.....	139
Worldwide – Copper Ports – Direct Attach Copper.....	140
Worldwide – Copper Ports – Base-T	141
Worldwide – Copper Ports – Others	142
50 Gbps Ethernet – Controller & Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	143
50 Gbps Ethernet – Controller	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	147
Worldwide – Server Attach – Mfg. Revenue, Units, Ports, Mfg. Port ASP.....	151
Worldwide – Non-Server Attach – Mfg. Revenue, Units, Ports, Mfg. Port ASP.....	155
50 Gbps Ethernet – Daughter Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	159
50 Gbps Ethernet – Mezzanine Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	163
50 Gbps Ethernet – Stand-alone Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	167
50 Gbps Ethernet – Fiber/Copper Split	
Worldwide – Fiber Ports	171
Worldwide – Copper Ports – Total.....	172
Worldwide – Copper Ports – Direct Attach Copper.....	173
Worldwide – Copper Ports – Base-T	174
Worldwide – Copper Ports – Others	175
100 Gbps Ethernet – Controller & Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	176
100 Gbps Ethernet – Controller	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	180
Worldwide – Server Attach – Mfg. Revenue, Units, Ports, Mfg. Port ASP.....	184
Worldwide – Non-Server Attach – Mfg. Revenue, Units, Ports, Mfg. Port ASP.....	188
100 Gbps Ethernet – Daughter Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	192
100 Gbps Ethernet – Mezzanine Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	196
100 Gbps Ethernet – Stand-alone Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	200

Table of Contents – Controller & Adapter

	Page No.
100 Gbps Ethernet – Fiber/Copper Split	
Worldwide – Fiber Ports	204
Worldwide – Copper Ports – Total.....	205
Worldwide – Copper Ports – Direct Attach Copper.....	206
Worldwide – Copper Ports – Base-T	207
Worldwide – Copper Ports – Others	208
Total Smart NIC – Controller & Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	209
10 Gbps Smart NIC – Controller & Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	213
10 Gbps Smart NIC – Controller	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	217
Worldwide – Server Attach – Mfg. Revenue, Units, Ports, Mfg. Port ASP.....	221
Worldwide – Non-Server Attach – Mfg. Revenue, Units, Ports, Mfg. Port ASP.....	225
10 Gbps Smart NIC – Daughter Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	229
10 Gbps Smart NIC – Mezzanine Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	233
10 Gbps Smart NIC – Stand-alone Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	237
25 Gbps Smart NIC – Controller & Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	241
25 Gbps Smart NIC – Controller	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	245
Worldwide – Server Attach – Mfg. Revenue, Units, Ports, Mfg. Port ASP.....	249
Worldwide – Non-Server Attach – Mfg. Revenue, Units, Ports, Mfg. Port ASP.....	253
25 Gbps Smart NIC – Daughter Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	257
25 Gbps Smart NIC – Mezzanine Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	261
25 Gbps Smart NIC – Stand-alone Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	265
40 Gbps Smart NIC – Controller & Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	269
40 Gbps Smart NIC – Controller	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	273
Worldwide – Server Attach – Mfg. Revenue, Units, Ports, Mfg. Port ASP.....	277
Worldwide – Non-Server Attach – Mfg. Revenue, Units, Ports, Mfg. Port ASP.....	281

Table of Contents – Controller & Adapter

	Page No.
40 Gbps Smart NIC – Daughter Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	285
40 Gbps Smart NIC – Mezzanine Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	289
40 Gbps Smart NIC – Stand-alone Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	293
50 Gbps Smart NIC – Controller & Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	297
50 Gbps Smart NIC – Controller	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	301
Worldwide – Server Attach – Mfg. Revenue, Units, Ports, Mfg. Port ASP	305
Worldwide – Non-Server Attach – Mfg. Revenue, Units, Ports, Mfg. Port ASP	309
50 Gbps Smart NIC – Daughter Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	313
50 Gbps Smart NIC – Mezzanine Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	317
50 Gbps Smart NIC – Stand-alone Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	321
100 Gbps Smart NIC – Controller & Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	325
100 Gbps Smart NIC – Controller	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	329
Worldwide – Server Attach – Mfg. Revenue, Units, Ports, Mfg. Port ASP	333
Worldwide – Non-Server Attach – Mfg. Revenue, Units, Ports, Mfg. Port ASP	337
100 Gbps Smart NIC – Daughter Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	341
100 Gbps Smart NIC – Mezzanine Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	345
100 Gbps Smart NIC – Stand-alone Adapter	
Worldwide – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	349
Total Ethernet – FCoE Enabled	
Worldwide – FCoE Enabled – Total – Mfg. Revenue, Units, Ports, Mfg. Port ASP	353