



Cisco IE 2000U Switch MODBUS TCP Registers

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This document lists the IE 2000U-specific read-only registers for IE 2000U models. MODBUS clients use them to communicate with a MODBUS server (the switch). There are no writable registers. For information about MODBUS TCP, see [Configuring MODBUS TCP](#).

- [IE-2000U-4TS-G, page 2](#)
- [IE-2000U-4T-G, page 4](#)
- [IE-2000U-4S-G, page 6](#)
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IE-2000U-4TS-G

System Information Registers

Table 1 IE-2000U-4TS-G System Information Registers

Address	Number of Registers	Description	R/W	Format	Example/Note
800	64	Product ID	R	Text	"IE-2000U-4TS-G"
840	64	Software Image Name	R	Text	"IE2000U-IPSERVICESK9-M"
880	64	Software Image Version	R	Text	"15.2(20150217:193320)"
08C0	64	Host Name	R	Text	"ie200u-Switch"
900	1	Number of 10/100 Ethernet Ports	R	Uint16	0x10
901	1	Number of Gig Ethernet Ports	R	Uint16	0x2
902	1	System Temperature (in Celsius)	R	Uint16	0x4
903	1	SFP Temperature (in Celsius)	R	Uint16	0x2

Port Information Registers

Table 2 IE-2000U-4TS-G Port Information Registers

Address	Number of Registers	Description	R/W	Format
1000	64	Port 1 Name	R	Text
1040	64	Port 2 Name	R	Text
1080	64	Port 3 Name	R	Text
10C0	64	Port 4 Name	R	Text
1100	64	Port 5 Name	R	Text
1140	64	Port 6 Name	R	Text
1180	1	Port 1 State	R	Uint16
1181	1	Port 2 State	R	Uint16
1182	1	Port 3 State	R	Uint16
1183	1	Port 4 State	R	Uint16
1184	1	Port 5 State	R	Uint16
1185	1	Port 6 State	R	Uint16
1186	4	Port 1 Statistics – Number of packets received	R	Uint64
118A	4	Port 2 Statistics – Number of packets received	R	Uint64
118E	4	Port 3 Statistics – Number of packets received	R	Uint64
1192	4	Port 4 Statistics – Number of packets received	R	Uint64
1196	4	Port 5 Statistics – Number of packets received	R	Uint64
119A	4	Port 6 Statistics – Number of packets received	R	Uint64

Table 2 IE-2000U-4TS-G Port Information Registers (continued)

119E	4	Port 1 Statistics – Number of packets sent	R	Uint64
11A2	4	Port 2 Statistics – Number of packets sent	R	Uint64
11A6	4	Port 3 Statistics – Number of packets sent	R	Uint64
11AA	4	Port 4 Statistics – Number of packets sent	R	Uint64
11AE	4	Port 5 Statistics – Number of packets sent	R	Uint64
11B2	4	Port 6 Statistics – Number of packets sent	R	Uint64
11B6	4	Port 1 Statistics – Number of bytes received	R	Uint64
11BA	4	Port 2 Statistics – Number of bytes received	R	Uint64
11BE	4	Port 3 Statistics – Number of bytes received	R	Uint64
11C2	4	Port 4 Statistics – Number of bytes received	R	Uint64
11C6	4	Port 5 Statistics – Number of bytes received	R	Uint64
11CA	4	Port 6 Statistics – Number of bytes received	R	Uint64
11CE	4	Port 1 Statistics – Number of bytes sent	R	Uint64
11D2	4	Port 2 Statistics – Number of bytes sent	R	Uint64
11D6	4	Port 3 Statistics – Number of bytes sent	R	Uint64
11DA	4	Port 4 Statistics – Number of bytes sent	R	Uint64
11DE	4	Port 5 Statistics – Number of bytes sent	R	Uint64
11E2	4	Port 6 Statistics – Number of bytes sent	R	Uint64

IE-2000U-4T-G

System Information Registers

Table 3 IE-2000U-4T-G System Information Registers

Address	Number of Registers	Description	R/W	Format	Example/Note
800	64	Product ID	R	Text	“IE-2000U-4TS-G”
840	64	Software Image Name	R	Text	“IE2000U-IPSERVICESK9-M”
880	64	Software Image Version	R	Text	“15.2(20150217:193320)”
08C0	64	Host Name	R	Text	“ie200u-Switch”
900	1	Number of 10/100 Ethernet Ports	R	Uint16	0x10
901	1	Number of Gig Ethernet Ports	R	Uint16	0x2
902	1	System Temperature (in Celsius)	R	Uint16	0x4
903	1	SFP Temperature (in Celsius)	R	Uint16	0x2

Port Information Registers

Table 4 IE-2000U-4T-G Port Information Registers

Address	Number of Registers	Description	R/W	Format
1000	64	Port 1 Name	R	Text
1040	64	Port 2 Name	R	Text
1080	64	Port 3 Name	R	Text
10C0	64	Port 4 Name	R	Text
1100	64	Port 5 Name	R	Text
1140	64	Port 6 Name	R	Text
1180	1	Port 1 State	R	Uint16
1181	1	Port 2 State	R	Uint16
1182	1	Port 3 State	R	Uint16
1183	1	Port 4 State	R	Uint16
1184	1	Port 5 State	R	Uint16
1185	1	Port 6 State	R	Uint16
1186	4	Port 1 Statistics – Number of packets received	R	Uint64
118A	4	Port 2 Statistics – Number of packets received	R	Uint64
118E	4	Port 3 Statistics – Number of packets received	R	Uint64
1192	4	Port 4 Statistics – Number of packets received	R	Uint64
1196	4	Port 5 Statistics – Number of packets received	R	Uint64
119A	4	Port 6 Statistics – Number of packets received	R	Uint64

Table 4 IE-2000U-4T-G Port Information Registers (continued)

Address	Number of Registers	Description	R/W	Format
119E	4	Port 1 Statistics – Number of packets sent	R	Uint64
11A2	4	Port 2 Statistics – Number of packets sent	R	Uint64
11A6	4	Port 3 Statistics – Number of packets sent	R	Uint64
11AA	4	Port 4 Statistics – Number of packets sent	R	Uint64
11AE	4	Port 5 Statistics – Number of packets sent	R	Uint64
11B2	4	Port 6 Statistics – Number of packets sent	R	Uint64
11B6	4	Port 1 Statistics – Number of bytes received	R	Uint64
11BA	4	Port 2 Statistics – Number of bytes received	R	Uint64
11BE	4	Port 3 Statistics – Number of bytes received	R	Uint64
11C2	4	Port 4 Statistics – Number of bytes received	R	Uint64
11C6	4	Port 5 Statistics – Number of bytes received	R	Uint64
11CA	4	Port 6 Statistics – Number of bytes received	R	Uint64
11CE	4	Port 1 Statistics – Number of bytes sent	R	Uint64
11D2	4	Port 2 Statistics – Number of bytes sent	R	Uint64
11D6	4	Port 3 Statistics – Number of bytes sent	R	Uint64
11DA	4	Port 4 Statistics – Number of bytes sent	R	Uint64
11DE	4	Port 5 Statistics – Number of bytes sent	R	Uint64
11E2	4	Port 6 Statistics – Number of bytes sent	R	Uint64

IE-2000U-4S-G

System Information Registers

Table 5 IE-2000U-4S-G System Information Registers

Address	Number of Registers	Description	R/W	Format	Example/Note
800	64	Product ID	R	Text	“IE-2000U-4TS-G”
840	64	Software Image Name	R	Text	“IE2000U-IPSERVICESK9-M”
880	64	Software Image Version	R	Text	“15.2(20150217:193320)”
08C0	64	Host Name	R	Text	“ie200u-Switch”
900	1	Number of 10/100 Ethernet Ports	R	Uint16	0x10
901	1	Number of Gig Ethernet Ports	R	Uint16	0x2
902	1	System Temperature (in Celsius)	R	Uint16	0x4
903	1	SFP Temperature (in Celsius)	R	Uint16	0x2

Port Information Registers

Table 6 IE-2000U-4S-G Port Information Registers

Address	Number of Registers	Description	R/W	Format
1000	64	Port 1 Name	R	Text
1040	64	Port 2 Name	R	Text
1080	64	Port 3 Name	R	Text
10C0	64	Port 4 Name	R	Text
1100	64	Port 5 Name	R	Text
1140	64	Port 6 Name	R	Text
1180	1	Port 1 State	R	Uint16
1181	1	Port 2 State	R	Uint16
1182	1	Port 3 State	R	Uint16
1183	1	Port 4 State	R	Uint16
1184	1	Port 5 State	R	Uint16
1185	1	Port 6 State	R	Uint16
1186	4	Port 1 Statistics – Number of packets received	R	Uint64
118A	4	Port 2 Statistics – Number of packets received	R	Uint64
118E	4	Port 3 Statistics – Number of packets received	R	Uint64
1192	4	Port 4 Statistics – Number of packets received	R	Uint64
1196	4	Port 5 Statistics – Number of packets received	R	Uint64
119A	4	Port 6 Statistics – Number of packets received	R	Uint64

Table 6 IE-2000U-4S-G Port Information Registers (continued)

Address	Number of Registers	Description	R/W	Format
119E	4	Port 1 Statistics – Number of packets sent	R	Uint64
11A2	4	Port 2 Statistics – Number of packets sent	R	Uint64
11A6	4	Port 3 Statistics – Number of packets sent	R	Uint64
11AA	4	Port 4 Statistics – Number of packets sent	R	Uint64
11AE	4	Port 5 Statistics – Number of packets sent	R	Uint64
11B2	4	Port 6 Statistics – Number of packets sent	R	Uint64
11B6	4	Port 1 Statistics – Number of bytes received	R	Uint64
11BA	4	Port 2 Statistics – Number of bytes received	R	Uint64
11BE	4	Port 3 Statistics – Number of bytes received	R	Uint64
11C2	4	Port 4 Statistics – Number of bytes received	R	Uint64
11C6	4	Port 5 Statistics – Number of bytes received	R	Uint64
11CA	4	Port 6 Statistics – Number of bytes received	R	Uint64
11CE	4	Port 1 Statistics – Number of bytes sent	R	Uint64
11D2	4	Port 2 Statistics – Number of bytes sent	R	Uint64
11D6	4	Port 3 Statistics – Number of bytes sent	R	Uint64
11DA	4	Port 4 Statistics – Number of bytes sent	R	Uint64
11DE	4	Port 5 Statistics – Number of bytes sent	R	Uint64
11E2	4	Port 6 Statistics – Number of bytes sent	R	Uint64

IE-2000U-8TC-G

System Information Registers

Table 7 IE-2000U-8TC-G System Information Registers

Address	Number of Registers	Description	R/W	Format	Example/Note
800	64	Product ID	R	Text	“IE-2000U-4TS-G”
840	64	Software Image Name	R	Text	“IE2000U-IPSERVICESK9-M”
880	64	Software Image Version	R	Text	“15.2(20150217:193320)”
08C0	64	Host Name	R	Text	“ie200u-Switch”
900	1	Number of 10/100 Ethernet Ports	R	Uint16	0x10
901	1	Number of Gig Ethernet Ports	R	Uint16	0x2
902	1	System Temperature (in Celsius)	R	Uint16	0x4
903	1	SFP Temperature (in Celsius)	R	Uint16	0x2

Port Information Registers

Table 8 IE-2000U-8TC-G Port Information Registers

Address	Number of Registers	Description	R/W	Format
1000	64	Port 1 Name	R	Text
1040	64	Port 2 Name	R	Text
1080	64	Port 3 Name	R	Text
10C0	64	Port 4 Name	R	Text
1100	64	Port 5 Name	R	Text
1140	64	Port 6 Name	R	Text
1180	64	Port 7 Name	R	Text
11C0	64	Port 8 Name	R	Text
1200	64	Port 9 Name	R	Text
1240	64	Port 10 Name	R	Text
1280	1	Port 1 State	R	Uint16
1281	1	Port 2 State	R	Uint16
1282	1	Port 3 State	R	Uint16
1283	1	Port 4 State	R	Uint16
1284	1	Port 5 State	R	Uint16
1285	1	Port 6 State	R	Uint16
1286	1	Port 7 State	R	Uint16
1287	1	Port 8 State	R	Uint16

Table 8 IE-2000U-8TC-G Port Information Registers (continued)

Address	Number of Registers	Description	R/W	Format
1288	1	Port 9 State	R	Uint16
1289	1	Port 10 State	R	Uint16
128A	4	Port 1 Statistics – Number of packets received	R	Uint64
128E	4	Port 2 Statistics – Number of packets received	R	Uint64
1292	4	Port 3 Statistics – Number of packets received	R	Uint64
1296	4	Port 4 Statistics – Number of packets received	R	Uint64
129A	4	Port 5 Statistics – Number of packets received	R	Uint64
129E	4	Port 6 Statistics – Number of packets received	R	Uint64
12A2	4	Port 7 Statistics – Number of packets received	R	Uint64
12A6	4	Port 8 Statistics – Number of packets received	R	Uint64
12AA	4	Port 9 Statistics – Number of packets received	R	Uint64
12AE	4	Port 10 Statistics – Number of packets received	R	Uint64
12B2	4	Port 1 Statistics – Number of packets sent	R	Uint64
12B6	4	Port 2 Statistics – Number of packets sent	R	Uint64
12BA	4	Port 3 Statistics – Number of packets sent	R	Uint64
12BE	4	Port 4 Statistics – Number of packets sent	R	Uint64
12C2	4	Port 5 Statistics – Number of packets sent	R	Uint64
12C6	4	Port 6 Statistics – Number of packets sent	R	Uint64
12CA	4	Port 7 Statistics – Number of packets sent	R	Uint64
12CE	4	Port 8 Statistics – Number of packets sent	R	Uint64
12D2	4	Port 9 Statistics – Number of packets sent	R	Uint64
12D6	4	Port 10 Statistics – Number of packets sent	R	Uint64
12DA	4	Port 1 Statistics – Number of bytes received	R	Uint64
12DE	4	Port 2 Statistics – Number of bytes received	R	Uint64
12E2	4	Port 3 Statistics – Number of bytes received	R	Uint64
12E6	4	Port 4 Statistics – Number of bytes received	R	Uint64
12EA	4	Port 5 Statistics – Number of bytes received	R	Uint64
12EE	4	Port 6 Statistics – Number of bytes received	R	Uint64
12F2	4	Port 7 Statistics – Number of bytes received	R	Uint64
12F6	4	Port 8 Statistics – Number of bytes received	R	Uint64
12FA	4	Port 9 Statistics – Number of bytes received	R	Uint64
12FE	4	Port 10 Statistics – Number of bytes received	R	Uint64
1302	4	Port 1 Statistics – Number of bytes sent	R	Uint64
1306	4	Port 2 Statistics – Number of bytes sent	R	Uint64
130A	4	Port 3 Statistics – Number of bytes sent	R	Uint64

Table 8 IE-2000U-8TC-G Port Information Registers (continued)

Address	Number of Registers	Description	R/W	Format
130E	4	Port 4 Statistics – Number of bytes sent	R	Uint64
1312	4	Port 5 Statistics – Number of bytes sent	R	Uint64
1316	4	Port 6 Statistics – Number of bytes sent	R	Uint64
131A	4	Port 7 Statistics – Number of bytes sent	R	Uint64
131E	4	Port 8 Statistics – Number of bytes sent	R	Uint64
1322	4	Port 9 Statistics – Number of bytes sent	R	Uint64
1326	4	Port 10 Statistics – Number of bytes sent	R	Uint64

IE-2000U-16TC-G

System Information Registers

Table 9 IE-2000U-16TC-G System Information Registers

Address	Number of Registers	Description	R/W	Format	Example/Note
800	64	Product ID	R	Text	“IE-2000U-4TS-G”
840	64	Software Image Name	R	Text	“IE2000U-IPSERVICESK9-M”
880	64	Software Image Version	R	Text	“15.2(20150217:193320)”
08C0	64	Host Name	R	Text	“ie200u-Switch”
900	1	Number of 10/100 Ethernet Ports	R	Uint16	0x10
901	1	Number of Gig Ethernet Ports	R	Uint16	0x2
902	1	System Temperature (in Celsius)	R	Uint16	0x4
903	1	SFP Temperature (in Celsius)	R	Uint16	0x2

Port Information Registers

Table 10 IE-2000U-16TC-G Port Information Registers

Address	Number of Registers	Description	R/W	Format
Address	# of registers	Description	R/W	Format
1000	64	Port 1 Name	R	Text
1040	64	Port 2 Name	R	Text
1080	64	Port 3 Name	R	Text
10C0	64	Port 4 Name	R	Text
1100	64	Port 5 Name	R	Text
1140	64	Port 6 Name	R	Text
1180	64	Port 7 Name	R	Text
11C0	64	Port 8 Name	R	Text
1200	64	Port 9 Name	R	Text
1240	64	Port 10 Name	R	Text
1280	64	Port 11 Name	R	Text
12C0	64	Port 12 Name	R	Text
1300	64	Port 13 Name	R	Text
1340	64	Port 14 Name	R	Text
1380	64	Port 15 Name	R	Text
13C0	64	Port 16 Name	R	Text

Table 10 IE-2000U-16TC-G Port Information Registers (continued)

Address	Number of Registers	Description	R/W	Format
1400	64	Port 17 Name	R	Text
1440	64	Port 18 Name	R	Text
1480	64	Port 19 Name	R	Text
14C0	64	Port 20 Name	R	Text
1500	1	Port 1 State	R	Uint16
1501	1	Port 2 State	R	Uint16
1502	1	Port 3 State	R	Uint16
1503	1	Port 4 State	R	Uint16
1504	1	Port 5 State	R	Uint16
1505	1	Port 6 State	R	Uint16
1506	1	Port 7 State	R	Uint16
1507	1	Port 8 State	R	Uint16
1508	1	Port 9 State	R	Uint16
1509	1	Port 10 State	R	Uint16
150a	1	Port 11 State	R	Uint16
150b	1	Port 12 State	R	Uint16
150c	1	Port 13 State	R	Uint16
150d	1	Port 14 State	R	Uint16
150e	1	Port 15 State	R	Uint16
150f	1	Port 16 State	R	Uint16
1510	1	Port 17 State	R	Uint16
1511	1	Port 18 State	R	Uint16
1512	1	Port 19 State	R	Uint16
1513	1	Port 20 State	R	Uint16
1514	4	Port 1 Statistics – Number of packets received	R	Uint64
1518	4	Port 2 Statistics – Number of packets received	R	Uint64
151c	4	Port 3 Statistics – Number of packets received	R	Uint64
1520	4	Port 4 Statistics – Number of packets received	R	Uint64
1524	4	Port 5 Statistics – Number of packets received	R	Uint64
1528	4	Port 6 Statistics – Number of packets received	R	Uint64
152c	4	Port 7 Statistics – Number of packets received	R	Uint64
1530	4	Port 8 Statistics – Number of packets received	R	Uint64
1534	4	Port 9 Statistics – Number of packets received	R	Uint64
1538	4	Port 10 Statistics – Number of packets received	R	Uint64
153c	4	Port 11 Statistics – Number of packets received	R	Uint64
1540	4	Port 12 Statistics – Number of packets received	R	Uint64
1544	4	Port 13 Statistics – Number of packets received	R	Uint64

Table 10 IE-2000U-16TC-G Port Information Registers (continued)

Address	Number of Registers	Description	R/W	Format
1548	4	Port 14 Statistics – Number of packets received	R	Uint64
154c	4	Port 15 Statistics – Number of packets received	R	Uint64
1550	4	Port 16 Statistics – Number of packets received	R	Uint64
1554	4	Port 17 Statistics – Number of packets received	R	Uint64
1558	4	Port 18 Statistics – Number of packets received	R	Uint64
155c	4	Port 19 Statistics – Number of packets received	R	
1560	4	Port 20 Statistics – Number of packets received	R	
1564	4	Port 1 Statistics – Number of packets sent	R	Uint64
1568	4	Port 2 Statistics – Number of packets sent	R	Uint64
156c	4	Port 3 Statistics – Number of packets sent	R	Uint64
1570	4	Port 4 Statistics – Number of packets sent	R	Uint64
1574	4	Port 5 Statistics – Number of packets sent	R	Uint64
1578	4	Port 6 Statistics – Number of packets sent	R	Uint64
157c	4	Port 7 Statistics – Number of packets sent	R	Uint64
1580	4	Port 8 Statistics – Number of packets sent	R	Uint64
1584	4	Port 9 Statistics – Number of packets sent	R	Uint64
1588	4	Port 10 Statistics – Number of packets sent	R	Uint64
158c	4	Port 11 Statistics – Number of packets sent	R	Uint64
1590	4	Port 12 Statistics – Number of packets sent	R	Uint64
1594	4	Port 13 Statistics – Number of packets sent	R	Uint64
1598	4	Port 14 Statistics – Number of packets sent	R	Uint64
159c	4	Port 15 Statistics – Number of packets sent	R	Uint64
15a0	4	Port 16 Statistics – Number of packets sent	R	Uint64
15a4	4	Port 17 Statistics – Number of packets sent	R	Uint64
15a8	4	Port 18 Statistics – Number of packets sent	R	Uint64
15ac	4	Port 19 Statistics – Number of packets sent	R	Uint64
15b0	4	Port 20 Statistics – Number of packets sent	R	Uint64
15b4	4	Port 1 Statistics – Number of bytes received	R	Uint64
15b8	4	Port 2 Statistics – Number of bytes received	R	Uint64
15bc	4	Port 3 Statistics – Number of bytes received	R	Uint64
15c0	4	Port 4 Statistics – Number of bytes received	R	Uint64
15c4	4	Port 5 Statistics – Number of bytes received	R	Uint64
15c8	4	Port 6 Statistics – Number of bytes received	R	Uint64
15cc	4	Port 7 Statistics – Number of bytes received	R	Uint64
15d0	4	Port 8 Statistics – Number of bytes received	R	Uint64

Table 10 IE-2000U-16TC-G Port Information Registers (continued)

Address	Number of Registers	Description	R/W	Format
15d4	4	Port 9 Statistics – Number of bytes received	R	Uint64
15d8	4	Port 10 Statistics – Number of bytes received	R	Uint64
15dc	4	Port 11 Statistics – Number of bytes received	R	Uint64
15e0	4	Port 12 Statistics – Number of bytes received	R	Uint64
15E4	4	Port 13 Statistics – Number of bytes received	R	Uint64
15E8	4	Port 14 Statistics – Number of bytes received	R	Uint64
15ec	4	Port 15 Statistics – Number of bytes received	R	Uint64
15f0	4	Port 16 Statistics – Number of bytes received	R	Uint64
15f4	4	Port 17 Statistics – Number of bytes received	R	Uint64
15f8	4	Port 18 Statistics – Number of bytes received	R	Uint64
15fc	4	Port 19 Statistics – Number of bytes received	R	Uint64
1600	4	Port 20 Statistics – Number of bytes received	R	Uint64
1604	4	Port 1 Statistics – Number of bytes sent	R	Uint64
1608	4	Port 2 Statistics – Number of bytes sent	R	Uint64
160c	4	Port 3 Statistics – Number of bytes sent	R	Uint64
1610	4	Port 4 Statistics – Number of bytes sent	R	Uint64
1614	4	Port 5 Statistics – Number of bytes sent	R	Uint64
1618	4	Port 6 Statistics – Number of bytes sent	R	Uint64
161c	4	Port 7 Statistics – Number of bytes sent	R	Uint64
1620	4	Port 8 Statistics – Number of bytes sent	R	Uint64
1624	4	Port 9 Statistics – Number of bytes sent	R	Uint64
1628	4	Port 10 Statistics – Number of bytes sent	R	Uint64
162c	4	Port 11 Statistics – Number of bytes sent	R	Uint64
1630	4	Port 12 Statistics – Number of bytes sent	R	Uint64
1634	4	Port 13 Statistics – Number of bytes sent	R	Uint64
1638	4	Port 14 Statistics – Number of bytes sent	R	Uint64
163c	4	Port 15 Statistics – Number of bytes sent	R	Uint64
1640	4	Port 16 Statistics – Number of bytes sent	R	Uint64
1644	4	Port 17 Statistics – Number of bytes sent	R	Uint64
1648	4	Port 18 Statistics – Number of bytes sent	R	Uint64
164c	4	Port 19 Statistics – Number of bytes sent	R	Uint64
1650	4	Port 20 Statistics – Number of bytes sent	R	Uint64

IE-2000U-16TC-G-X

System Information Registers

Table 11 IE-2000U-16TC-G-X System Information Registers

Address	Number of Registers	Description	R/W	Format	Example/Note
800	64	Product ID	R	Text	“IE-2000U-4TS-G”
840	64	Software Image Name	R	Text	“IE2000U-IPSERVICESK9-M”
880	64	Software Image Version	R	Text	“15.2(20150217:193320)”
08C0	64	Host Name	R	Text	“ie200u-Switch”
900	1	Number of 10/100 Ethernet Ports	R	Uint16	0x10
901	1	Number of Gig Ethernet Ports	R	Uint16	0x2
902	1	System Temperature (in Celsius)	R	Uint16	0x4
903	1	SFP Temperature (in Celsius)	R	Uint16	0x2

Port Information Registers

Table 12 IE-2000U-16TC-G-X Port Information Registers

Address	Number of Registers	Description	R/W	Format
1000	64	Port 1 Name	R	Text
1040	64	Port 2 Name	R	Text
1080	64	Port 3 Name	R	Text
10C0	64	Port 4 Name	R	Text
1100	64	Port 5 Name	R	Text
1140	64	Port 6 Name	R	Text
1180	64	Port 7 Name	R	Text
11C0	64	Port 8 Name	R	Text
1200	64	Port 9 Name	R	Text
1240	64	Port 10 Name	R	Text
1280	64	Port 11 Name	R	Text
12C0	64	Port 12 Name	R	Text
1300	64	Port 13 Name	R	Text
1340	64	Port 14 Name	R	Text
1380	64	Port 15 Name	R	Text
13C0	64	Port 16 Name	R	Text
1400	64	Port 17 Name	R	Text

Table 12 IE-2000U-16TC-G-X Port Information Registers (continued)

Address	Number of Registers	Description	R/W	Format
1440	64	Port 18 Name	R	Text
1480	64	Port 19 Name	R	Text
14C0	64	Port 20 Name	R	Text
1500	1	Port 1 State	R	Uint16
1501	1	Port 2 State	R	Uint16
1502	1	Port 3 State	R	Uint16
1503	1	Port 4 State	R	Uint16
1504	1	Port 5 State	R	Uint16
1505	1	Port 6 State	R	Uint16
1506	1	Port 7 State	R	Uint16
1507	1	Port 8 State	R	Uint16
1508	1	Port 9 State	R	Uint16
1509	1	Port 10 State	R	Uint16
150a	1	Port 11 State	R	Uint16
150b	1	Port 12 State	R	Uint16
150c	1	Port 13 State	R	Uint16
150d	1	Port 14 State	R	Uint16
150e	1	Port 15 State	R	Uint16
150f	1	Port 16 State	R	Uint16
1510	1	Port 17 State	R	Uint16
1511	1	Port 18 State	R	Uint16
1512	1	Port 19 State	R	Uint16
1513	1	Port 20 State	R	Uint16
1514	4	Port 1 Statistics – Number of packets received	R	Uint64
1518	4	Port 2 Statistics – Number of packets received	R	Uint64
151c	4	Port 3 Statistics – Number of packets received	R	Uint64
1520	4	Port 4 Statistics – Number of packets received	R	Uint64
1524	4	Port 5 Statistics – Number of packets received	R	Uint64
1528	4	Port 6 Statistics – Number of packets received	R	Uint64
152c	4	Port 7 Statistics – Number of packets received	R	Uint64
1530	4	Port 8 Statistics – Number of packets received	R	Uint64
1534	4	Port 9 Statistics – Number of packets received	R	Uint64
1538	4	Port 10 Statistics – Number of packets received	R	Uint64
153c	4	Port 11 Statistics – Number of packets received	R	Uint64
1540	4	Port 12 Statistics – Number of packets received	R	Uint64
1544	4	Port 13 Statistics – Number of packets received	R	Uint64
1548	4	Port 14 Statistics – Number of packets received	R	Uint64

Table 12 IE-2000U-16TC-G-X Port Information Registers (continued)

Address	Number of Registers	Description	R/W	Format
154c	4	Port 15 Statistics – Number of packets received	R	Uint64
1550	4	Port 16 Statistics – Number of packets received	R	Uint64
1554	4	Port 17 Statistics – Number of packets received	R	Uint64
1558	4	Port 18 Statistics – Number of packets received	R	Uint64
155c	4	Port 19 Statistics – Number of packets received	R	
1560	4	Port 20 Statistics – Number of packets received	R	
1564	4	Port 1 Statistics – Number of packets sent	R	Uint64
1568	4	Port 2 Statistics – Number of packets sent	R	Uint64
156c	4	Port 3 Statistics – Number of packets sent	R	Uint64
1570	4	Port 4 Statistics – Number of packets sent	R	Uint64
1574	4	Port 5 Statistics – Number of packets sent	R	Uint64
1578	4	Port 6 Statistics – Number of packets sent	R	Uint64
157c	4	Port 7 Statistics – Number of packets sent	R	Uint64
1580	4	Port 8 Statistics – Number of packets sent	R	Uint64
1584	4	Port 9 Statistics – Number of packets sent	R	Uint64
1588	4	Port 10 Statistics – Number of packets sent	R	Uint64
158c	4	Port 11 Statistics – Number of packets sent	R	Uint64
1590	4	Port 12 Statistics – Number of packets sent	R	Uint64
1594	4	Port 13 Statistics – Number of packets sent	R	Uint64
1598	4	Port 14 Statistics – Number of packets sent	R	Uint64
159c	4	Port 15 Statistics – Number of packets sent	R	Uint64
15a0	4	Port 16 Statistics – Number of packets sent	R	Uint64
15a4	4	Port 17 Statistics – Number of packets sent	R	Uint64
15a8	4	Port 18 Statistics – Number of packets sent	R	Uint64
15ac	4	Port 19 Statistics – Number of packets sent	R	Uint64
15b0	4	Port 20 Statistics – Number of packets sent	R	Uint64
15b4	4	Port 1 Statistics – Number of bytes received	R	Uint64
15b8	4	Port 2 Statistics – Number of bytes received	R	Uint64
15bc	4	Port 3 Statistics – Number of bytes received	R	Uint64
15c0	4	Port 4 Statistics – Number of bytes received	R	Uint64
15c4	4	Port 5 Statistics – Number of bytes received	R	Uint64
15c8	4	Port 6 Statistics – Number of bytes received	R	Uint64
15cc	4	Port 7 Statistics – Number of bytes received	R	Uint64
15d0	4	Port 8 Statistics – Number of bytes received	R	Uint64
15d4	4	Port 9 Statistics – Number of bytes received	R	Uint64

Table 12 IE-2000U-16TC-G-X Port Information Registers (continued)

Address	Number of Registers	Description	R/W	Format
15d8	4	Port 10 Statistics – Number of bytes received	R	Uint64
15dc	4	Port 11 Statistics – Number of bytes received	R	Uint64
15e0	4	Port 12 Statistics – Number of bytes received	R	Uint64
15E4	4	Port 13 Statistics – Number of bytes received	R	Uint64
15E8	4	Port 14 Statistics – Number of bytes received	R	Uint64
15ec	4	Port 15 Statistics – Number of bytes received	R	Uint64
15f0	4	Port 16 Statistics – Number of bytes received	R	Uint64
15f4	4	Port 17 Statistics – Number of bytes received	R	Uint64
15f8	4	Port 18 Statistics – Number of bytes received	R	Uint64
15fc	4	Port 19 Statistics – Number of bytes received	R	Uint64
1600	4	Port 20 Statistics – Number of bytes received	R	Uint64
1604	4	Port 1 Statistics – Number of bytes sent	R	Uint64
1608	4	Port 2 Statistics – Number of bytes sent	R	Uint64
160c	4	Port 3 Statistics – Number of bytes sent	R	Uint64
1610	4	Port 4 Statistics – Number of bytes sent	R	Uint64
1614	4	Port 5 Statistics – Number of bytes sent	R	Uint64
1618	4	Port 6 Statistics – Number of bytes sent	R	Uint64
161c	4	Port 7 Statistics – Number of bytes sent	R	Uint64
1620	4	Port 8 Statistics – Number of bytes sent	R	Uint64
1624	4	Port 9 Statistics – Number of bytes sent	R	Uint64
1628	4	Port 10 Statistics – Number of bytes sent	R	Uint64
162c	4	Port 11 Statistics – Number of bytes sent	R	Uint64
1630	4	Port 12 Statistics – Number of bytes sent	R	Uint64
1634	4	Port 13 Statistics – Number of bytes sent	R	Uint64
1638	4	Port 14 Statistics – Number of bytes sent	R	Uint64
163c	4	Port 15 Statistics – Number of bytes sent	R	Uint64
1640	4	Port 16 Statistics – Number of bytes sent	R	Uint64
1644	4	Port 17 Statistics – Number of bytes sent	R	Uint64
1648	4	Port 18 Statistics – Number of bytes sent	R	Uint64
164c	4	Port 19 Statistics – Number of bytes sent	R	Uint64
1650	4	Port 20 Statistics – Number of bytes sent	R	Uint64

IE-2000U-16TC-GP

System Information Registers

Table 13 IE-2000U-16TC-GP System Information Registers

Address	Number of Registers	Description	R/W	Format	Example/Note
800	64	Product ID	R	Text	“IE-2000U-4TS-G”
840	64	Software Image Name	R	Text	“IE2000U-IPSERVICESK9-M”
880	64	Software Image Version	R	Text	“15.2(20150217:193320)”
08C0	64	Host Name	R	Text	“ie200u-Switch”
900	1	Number of 10/100 Ethernet Ports	R	Uint16	0x10
901	1	Number of Gig Ethernet Ports	R	Uint16	0x2
902	1	System Temperature (in Celsius)	R	Uint16	0x4
903	1	SFP Temperature (in Celsius)	R	Uint16	0x2

Port Information Registers

Table 14 IE-2000U-16TC-GP Port Information Registers

Address	Number of Registers	Description	R/W	Format
1000	64	Port 1 Name	R	Text
1040	64	Port 2 Name	R	Text
1080	64	Port 3 Name	R	Text
10C0	64	Port 4 Name	R	Text
1100	64	Port 5 Name	R	Text
1140	64	Port 6 Name	R	Text
1180	64	Port 7 Name	R	Text
11C0	64	Port 8 Name	R	Text
1200	64	Port 9 Name	R	Text
1240	64	Port 10 Name	R	Text
1280	64	Port 11 Name	R	Text
12C0	64	Port 12 Name	R	Text
1300	64	Port 13 Name	R	Text
1340	64	Port 14 Name	R	Text
1380	64	Port 15 Name	R	Text
13C0	64	Port 16 Name	R	Text
1400	64	Port 17 Name	R	Text

Table 14 IE-2000U-16TC-GP Port Information Registers (continued)

Address	Number of Registers	Description	R/W	Format
1440	64	Port 18 Name	R	Text
1480	64	Port 19 Name	R	Text
14C0	64	Port 20 Name	R	Text
1500	1	Port 1 State	R	Uint16
1501	1	Port 2 State	R	Uint16
1502	1	Port 3 State	R	Uint16
1503	1	Port 4 State	R	Uint16
1504	1	Port 5 State	R	Uint16
1505	1	Port 6 State	R	Uint16
1506	1	Port 7 State	R	Uint16
1507	1	Port 8 State	R	Uint16
1508	1	Port 9 State	R	Uint16
1509	1	Port 10 State	R	Uint16
150a	1	Port 11 State	R	Uint16
150b	1	Port 12 State	R	Uint16
150c	1	Port 13 State	R	Uint16
150d	1	Port 14 State	R	Uint16
150e	1	Port 15 State	R	Uint16
150f	1	Port 16 State	R	Uint16
1510	1	Port 17 State	R	Uint16
1511	1	Port 18 State	R	Uint16
1512	1	Port 19 State	R	Uint16
1513	1	Port 20 State	R	Uint16
1514	4	Port 1 Statistics – Number of packets received	R	Uint64
1518	4	Port 2 Statistics – Number of packets received	R	Uint64
151c	4	Port 3 Statistics – Number of packets received	R	Uint64
1520	4	Port 4 Statistics – Number of packets received	R	Uint64
1524	4	Port 5 Statistics – Number of packets received	R	Uint64
1528	4	Port 6 Statistics – Number of packets received	R	Uint64
152c	4	Port 7 Statistics – Number of packets received	R	Uint64
1530	4	Port 8 Statistics – Number of packets received	R	Uint64
1534	4	Port 9 Statistics – Number of packets received	R	Uint64
1538	4	Port 10 Statistics – Number of packets received	R	Uint64
153c	4	Port 11 Statistics – Number of packets received	R	Uint64
1540	4	Port 12 Statistics – Number of packets received	R	Uint64
1544	4	Port 13 Statistics – Number of packets received	R	Uint64
1548	4	Port 14 Statistics – Number of packets received	R	Uint64

Table 14 IE-2000U-16TC-GP Port Information Registers (continued)

Address	Number of Registers	Description	R/W	Format
154c	4	Port 15 Statistics – Number of packets received	R	Uint64
1550	4	Port 16 Statistics – Number of packets received	R	Uint64
1554	4	Port 17 Statistics – Number of packets received	R	Uint64
1558	4	Port 18 Statistics – Number of packets received	R	Uint64
155c	4	Port 19 Statistics – Number of packets received	R	
1560	4	Port 20 Statistics – Number of packets received	R	
1564	4	Port 1 Statistics – Number of packets sent	R	Uint64
1568	4	Port 2 Statistics – Number of packets sent	R	Uint64
156c	4	Port 3 Statistics – Number of packets sent	R	Uint64
1570	4	Port 4 Statistics – Number of packets sent	R	Uint64
1574	4	Port 5 Statistics – Number of packets sent	R	Uint64
1578	4	Port 6 Statistics – Number of packets sent	R	Uint64
157c	4	Port 7 Statistics – Number of packets sent	R	Uint64
1580	4	Port 8 Statistics – Number of packets sent	R	Uint64
1584	4	Port 9 Statistics – Number of packets sent	R	Uint64
1588	4	Port 10 Statistics – Number of packets sent	R	Uint64
158c	4	Port 11 Statistics – Number of packets sent	R	Uint64
1590	4	Port 12 Statistics – Number of packets sent	R	Uint64
1594	4	Port 13 Statistics – Number of packets sent	R	Uint64
1598	4	Port 14 Statistics – Number of packets sent	R	Uint64
159c	4	Port 15 Statistics – Number of packets sent	R	Uint64
15a0	4	Port 16 Statistics – Number of packets sent	R	Uint64
15a4	4	Port 17 Statistics – Number of packets sent	R	Uint64
15a8	4	Port 18 Statistics – Number of packets sent	R	Uint64
15ac	4	Port 19 Statistics – Number of packets sent	R	Uint64
15b0	4	Port 20 Statistics – Number of packets sent	R	Uint64
15b4	4	Port 1 Statistics – Number of bytes received	R	Uint64
15b8	4	Port 2 Statistics – Number of bytes received	R	Uint64
15bc	4	Port 3 Statistics – Number of bytes received	R	Uint64
15c0	4	Port 4 Statistics – Number of bytes received	R	Uint64
15c4	4	Port 5 Statistics – Number of bytes received	R	Uint64
15c8	4	Port 6 Statistics – Number of bytes received	R	Uint64
15cc	4	Port 7 Statistics – Number of bytes received	R	Uint64
15d0	4	Port 8 Statistics – Number of bytes received	R	Uint64
15d4	4	Port 9 Statistics – Number of bytes received	R	Uint64

Table 14 IE-2000U-16TC-GP Port Information Registers (continued)

Address	Number of Registers	Description	R/W	Format
15d8	4	Port 10 Statistics – Number of bytes received	R	Uint64
15dc	4	Port 11 Statistics – Number of bytes received	R	Uint64
15e0	4	Port 12 Statistics – Number of bytes received	R	Uint64
15E4	4	Port 13 Statistics – Number of bytes received	R	Uint64
15E8	4	Port 14 Statistics – Number of bytes received	R	Uint64
15ec	4	Port 15 Statistics – Number of bytes received	R	Uint64
15f0	4	Port 16 Statistics – Number of bytes received	R	Uint64
15f4	4	Port 17 Statistics – Number of bytes received	R	Uint64
15f8	4	Port 18 Statistics – Number of bytes received	R	Uint64
15fc	4	Port 19 Statistics – Number of bytes received	R	Uint64
1600	4	Port 20 Statistics – Number of bytes received	R	Uint64
1604	4	Port 1 Statistics – Number of bytes sent	R	Uint64
1608	4	Port 2 Statistics – Number of bytes sent	R	Uint64
160c	4	Port 3 Statistics – Number of bytes sent	R	Uint64
1610	4	Port 4 Statistics – Number of bytes sent	R	Uint64
1614	4	Port 5 Statistics – Number of bytes sent	R	Uint64
1618	4	Port 6 Statistics – Number of bytes sent	R	Uint64
161c	4	Port 7 Statistics – Number of bytes sent	R	Uint64
1620	4	Port 8 Statistics – Number of bytes sent	R	Uint64
1624	4	Port 9 Statistics – Number of bytes sent	R	Uint64
1628	4	Port 10 Statistics – Number of bytes sent	R	Uint64
162c	4	Port 11 Statistics – Number of bytes sent	R	Uint64
1630	4	Port 12 Statistics – Number of bytes sent	R	Uint64
1634	4	Port 13 Statistics – Number of bytes sent	R	Uint64
1638	4	Port 14 Statistics – Number of bytes sent	R	Uint64
163c	4	Port 15 Statistics – Number of bytes sent	R	Uint64
1640	4	Port 16 Statistics – Number of bytes sent	R	Uint64
1644	4	Port 17 Statistics – Number of bytes sent	R	Uint64
1648	4	Port 18 Statistics – Number of bytes sent	R	Uint64
164c	4	Port 19 Statistics – Number of bytes sent	R	Uint64
1650	4	Port 20 Statistics – Number of bytes sent	R	Uint64

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