



# Cisco IE 3000 Switch MODBUS TCP Registers

**First Published:** September 30, 2016

This document lists the IE 3000-specific read-only registers for IE 3000 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](#).

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## IE3000-4TC

## System Information Registers

**Table 1 IE3000-4TC System Information Registers**

Address	Number of Registers	Description	R/W	Format	Example/Note
800	64	Product ID	R	Text	"1783-MS10T"
840	64	Software Image Name	R	Text	"IES-LANBASE-M"
880	64	Software Image Version	R	Text	"15.2(20150217:193320)"
08C0	64	Host Name	R	Text	"S8000-Switch"
900	1	Number of 10/100 Ethernet Ports	R	Uint16	0x8
901	1	Number of Gig Ethernet Ports	R	Uint16	0x2
902	1	Number of Power Supplies	R	Uint16	0x2
903	1	PS1 - Status	R	Uint16	0x0
904	1	PS2 - Status	R	Uint16	0x2
905	1	System Temperature (in Celsius)	R	Uint16	0x25

## Port Information Registers

**Table 2 IE3000-4TC 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

**Table 2 IE3000-4TC Port Information Registers (continued)**

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
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

## IE3000-8TC

## System Information Registers

**Table 3 IE3000-8TC System Information Registers**

Address	Number of Registers	Description	R/W	Format	Example/Note
800	64	Product ID	R	Text	"1783-MS10T"
840	64	Software Image Name	R	Text	"IES-LANBASE-M"
880	64	Software Image Version	R	Text	"15.2(20150217:193320)"
08C0	64	Host Name	R	Text	"S8000-Switch"
900	1	Number of 10/100 Ethernet Ports	R	Uint16	0x8
901	1	Number of Gig Ethernet Ports	R	Uint16	0x2
902	1	Number of Power Supplies	R	Uint16	0x2
903	1	PS1 - Status	R	Uint16	0x0
904	1	PS2 - Status	R	Uint16	0x2
905	1	System Temperature (in Celsius)	R	Uint16	0x25

## Port Information Registers

**Table 4 IE3000-8TC 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

**Table 4 IE3000-8TC Port Information Registers (continued)**

Address	Number of Registers	Description	R/W	Format
1285	1	Port 6 State	R	Uint16
1286	1	Port 7 State	R	Uint16
1287	1	Port 8 State	R	Uint16
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

**Table 4 IE3000-8TC Port Information Registers (continued)**

Address	Number of Registers	Description	R/W	Format
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
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

## Related Documents

For Cisco Industrial Ethernet 3000 Series Switches documentation, see <http://www.cisco.com/go/ie3000>.

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