

# EtherCAT IP Network Addresses

Network	Subnet	Class	ifo	Description
10.40.0.0	255.255.0.0	B	H1	H1 Slow controls network
10.80.0.0	255.255.0.0	B	H2	H2 Slow controls network
10.120.0.0	255.255.0.0	B	L1	L1 Slow controls network
10.40.1.0	255.255.255.0	C	LHO	EtherCAT safety network
10.40.10.0	255.255.255.0	C	H1	EtherCAT controls network corner 1
10.40.11.0	255.255.255.0	C	H1	EtherCAT controls network corner 2
10.40.12.0	255.255.255.0	C	H1	Modbus controls network corner 1
10.40.13.0	255.255.255.0	C	H1	Modbus controls network corner 2
10.40.14.0	255.255.255.0	C	H1	Modbus controls network corner 3
10.40.15.0	255.255.255.0	C	H1	EtherCAT controls network corner 3
10.40.16.0	255.255.255.0	C	H1	EtherCAT controls network corner 4
10.40.19.0	255.255.255.0	C	H1	Auxiliary network corner 1
10.40.20.0	255.255.255.0	C	H1	EtherCAT controls network EX 1
10.40.21.0	255.255.255.0	C	H1	EtherCAT controls network EX 2
10.40.22.0	255.255.255.0	C	H1	Modbus controls network EX 1
10.40.23.0	255.255.255.0	C	H1	Modbus controls network EX 2
10.40.29.0	255.255.255.0	C	H1	Auxiliary network EX 1
10.40.30.0	255.255.255.0	C	H1	EtherCAT controls network EY 1
10.40.31.0	255.255.255.0	C	H1	EtherCAT controls network EY 2
10.40.32.0	255.255.255.0	C	H1	Modbus controls network EY 1
10.40.33.0	255.255.255.0	C	H1	Modbus controls network EY 2
10.40.39.0	255.255.255.0	C	H1	Auxiliary network EY 1
10.80.1.0	255.255.255.0	C	LHO	not used
10.80.10.0	255.255.255.0	C	H2	EtherCAT controls network corner 1
10.80.11.0	255.255.255.0	C	H2	EtherCAT controls network corner 2
10.80.12.0	255.255.255.0	C	H2	Modbus controls network corner 1
10.80.13.0	255.255.255.0	C	H2	Modbus controls network corner 2
10.80.14.0	255.255.255.0	C	H2	Modbus controls network corner 3
10.80.15.0	255.255.255.0	C	H2	EtherCAT controls network corner 3
10.80.16.0	255.255.255.0	C	H2	EtherCAT controls network corner 4
10.80.19.0	255.255.255.0	C	H2	Auxiliary network corner 1
10.80.20.0	255.255.255.0	C	H2	EtherCAT controls network EX 1
10.80.21.0	255.255.255.0	C	H2	EtherCAT controls network EX 2
10.80.22.0	255.255.255.0	C	H2	Modbus controls network EX 1
10.80.23.0	255.255.255.0	C	H2	Modbus controls network EX 2
10.80.29.0	255.255.255.0	C	H2	Auxiliary network EX 1
10.80.30.0	255.255.255.0	C	H2	EtherCAT controls network EY 1
10.80.31.0	255.255.255.0	C	H2	EtherCAT controls network EY 2
10.80.32.0	255.255.255.0	C	H2	Modbus controls network EY 1
10.80.33.0	255.255.255.0	C	H2	Modbus controls network EY 2
10.80.39.0	255.255.255.0	C	H2	Auxiliary network EY 1

Network	Subnet	Class	ifo	Description
10.120.1.0	255.255.255.0	C	LLO	not used
10.120.10.0	255.255.255.0	C	L1	EtherCAT controls network corner 1
10.120.11.0	255.255.255.0	C	L1	EtherCAT controls network corner 2
10.120.12.0	255.255.255.0	C	L1	Modbus controls network corner 1
10.120.13.0	255.255.255.0	C	L1	Modbus controls network corner 2
10.120.14.0	255.255.255.0	C	L1	Modbus controls network corner 3
10.120.15.0	255.255.255.0	C	L1	EtherCAT controls network corner 3
10.120.16.0	255.255.255.0	C	L1	EtherCAT controls network corner 4
10.120.19.0	255.255.255.0	C	L1	Auxiliary network corner 1
10.120.20.0	255.255.255.0	C	L1	EtherCAT controls network EX 1
10.120.21.0	255.255.255.0	C	L1	EtherCAT controls network EX 2
10.120.22.0	255.255.255.0	C	L1	Modbus controls network EX 1
10.120.23.0	255.255.255.0	C	L1	Modbus controls network EX 2
10.120.29.0	255.255.255.0	C	L1	Auxiliary network EX 1
10.120.30.0	255.255.255.0	C	L1	EtherCAT controls network EY 1
10.120.31.0	255.255.255.0	C	L1	EtherCAT controls network EY 2
10.120.32.0	255.255.255.0	C	L1	Modbus controls network EY 1
10.120.33.0	255.255.255.0	C	L1	Modbus controls network EY 2
10.120.39.0	255.255.255.0	C	L1	Auxiliary network EY 1
10.40.50.0	255.255.255.0	C	LHO	Vacuum corner 1
10.40.51.0	255.255.255.0	C	LHO	Vacuum EX
10.40.52.0	255.255.255.0	C	LHO	Vacuum EY
10.40.53.0	255.255.255.0	C	LHO	Vacuum corner 2
10.40.54.0	255.255.255.0	C	LHO	Vacuum MX
10.40.55.0	255.255.255.0	C	LHO	Vacuum MY
10.120.50.0	255.255.255.0	C	LLO	Vacuum corner 1
10.120.51.0	255.255.255.0	C	LLO	Vacuum EX
10.120.52.0	255.255.255.0	C	LLO	Vacuum EY
10.120.53.0	255.255.255.0	C	LLO	not used
10.120.54.0	255.255.255.0	C	LLO	Vacuum MX
10.120.55.0	255.255.255.0	C	LLO	Vacuum MY

<b>EtherCAT IP Network Addresses</b>				
<b>Address</b>	<b>Subnet</b>	<b>Name</b>	<b>ifo</b>	<b>Description</b>
10.205.0.22	255.255.255.0	H0ECATS1	LHO	EtherCAT safety controller
10.40.1.1	255.255.255.0	H0ECATS1	LHO	EtherCAT safety controller
10.X.X.X	255.255.255.0	H1ECATC1	H1	Ethernet controller internet
10.40.10.1	255.255.255.0	H1ECATC1	H1	EtherCAT controller 1
10.40.11.1	255.255.255.0	H1ECATC1	H1	EtherCAT controller 2
10.40.15.1	255.255.255.0	H1ECATC1	H1	EtherCAT controller 3
10.40.16.1	255.255.255.0	H1ECATC1	H1	EtherCAT controller 4
10.40.19.1	255.255.255.0	H1ECATC1	H1	Ethernet controller aux. 1
10.X.X.X	255.255.255.0		H1	PTP EtherCAT slave EL6688
10.40.12.1	255.255.255.0	H1ModbusC1	H1	Anyway X-Gateway AB9000
10.40.12.11	255.255.255.0		H1	Acromag ES2113 PCB 1/BIO 1
10.40.12.12	255.255.255.0		H1	Acromag ES2113 PCB 2/BIO 1
10.40.12.13	255.255.255.0		H1	Acromag ES2113 PCB 3/BIO 1
10.40.12.14	255.255.255.0		H1	Acromag ES2113 PCB 4/BIO 1
10.40.12.21	255.255.255.0		H1	Acromag ES2113 PCB 1/BIO 2
10.40.12.22	255.255.255.0		H1	Acromag ES2113 PCB 2/BIO 2
10.40.12.23	255.255.255.0		H1	Acromag ES2113 PCB 3/BIO 2
10.40.12.24	255.255.255.0		H1	Acromag ES2113 PCB 4/BIO 2
10.40.13.1	255.255.255.0	H1ModbusC2	H1	Anyway X-Gateway AB9000
10.40.13.11	255.255.255.0		H1	Acromag ES2113 PCB 1/BIO 3
10.40.13.12	255.255.255.0		H1	Acromag ES2113 PCB 2/BIO 3
10.40.13.13	255.255.255.0		H1	Acromag ES2113 PCB 3/BIO 3
10.40.13.14	255.255.255.0		H1	Acromag ES2113 PCB 4/BIO 3
10.40.13.21	255.255.255.0		H1	Acromag ES2113 PCB 1/BIO 4
10.40.13.22	255.255.255.0		H1	Acromag ES2113 PCB 2/BIO 4
10.40.13.23	255.255.255.0		H1	Acromag ES2113 PCB 3/BIO 4
10.40.13.24	255.255.255.0		H1	Acromag ES2113 PCB 4/BIO 4
10.40.14.1	255.255.255.0	H1ModbusC3	H1	Anyway X-Gateway AB9000
10.40.14.11	255.255.255.0		H1	Acromag ES2113 PCB 1/BIO 1
10.40.14.12	255.255.255.0		H1	Acromag ES2113 PCB 2/BIO 1
10.40.14.13	255.255.255.0		H1	Acromag ES2113 PCB 3/BIO 1
10.40.14.14	255.255.255.0		H1	Acromag ES2113 PCB 4/BIO 1
10.X.X.X	255.255.255.0	H1ECATX1	H1	Ethernet controller internet
10.40.20.1	255.255.255.0	H1ECATX1	H1	EtherCAT controller 1
10.40.21.1	255.255.255.0	H1ECATX1	H1	EtherCAT controller 2
10.40.29.1	255.255.255.0	H1ECATX1	H1	Ethernet controller aux. 1
10.40.22.1	255.255.255.0	H1ModbusX1	H1	Anyway X-Gateway AB9000
10.40.22.11	255.255.255.0		H1	Acromag ES2113 PCB 1/BIO 5
10.40.22.12	255.255.255.0		H1	Acromag ES2113 PCB 2/BIO 5
10.40.22.13	255.255.255.0		H1	Acromag ES2113 PCB 3/BIO 5
10.40.22.14	255.255.255.0		H1	Acromag ES2113 PCB 4/BIO 5
10.X.X.X	255.255.255.0	H1ECATY1	H1	Ethernet controller internet
10.40.30.1	255.255.255.0	H1ECATY1	H1	EtherCAT controller 1

Address	Subnet	Name	ifo	Description
10.40.31.1	255.255.255.0	H1ECATY1	H1	EtherCAT controller 2
10.40.39.1	255.255.255.0	H1ECATY1	H1	Ethernet controller aux. 1
10.40.32.1	255.255.255.0	H1ModbusY1	H1	Anyway X-Gateway AB9000
10.40.32.11	255.255.255.0		H1	Acromag ES2113 PCB 1/BIO 6
10.40.32.12	255.255.255.0		H1	Acromag ES2113 PCB 2/BIO 6
10.40.32.13	255.255.255.0		H1	Acromag ES2113 PCB 3/BIO 6
10.40.32.14	255.255.255.0		H1	Acromag ES2113 PCB 4/BIO 6
10.205.0.23	255.255.255.0	H2ECATC1	H2	Ethernet controller internet
10.80.10.1	255.255.255.0	H2ECATC1	H2	EtherCAT controller 1
10.80.11.1	255.255.255.0	H2ECATC1	H2	EtherCAT controller 2
10.80.19.1	255.255.255.0	H2ECATC1	H2	Ethernet controller aux. 1
10.X.X.X	255.255.255.0		H2	PTP EtherCAT slave EL6688
10.80.12.1	255.255.255.0	H2ModbusC1	H2	Anyway X-Gateway AB9000
10.80.12.11	255.255.255.0		H2	Acromag ES2113 PCB 1/BIO 1
10.80.12.12	255.255.255.0		H2	Acromag ES2113 PCB 2/BIO 1
10.80.12.13	255.255.255.0		H2	Acromag ES2113 PCB 3/BIO 1
10.80.12.14	255.255.255.0		H2	Acromag ES2113 PCB 4/BIO 1
10.80.12.21	255.255.255.0		H2	Acromag ES2113 PCB 1/BIO 2
10.80.12.22	255.255.255.0		H2	Acromag ES2113 PCB 2/BIO 2
10.80.12.23	255.255.255.0		H2	Acromag ES2113 PCB 3/BIO 2
10.80.12.24	255.255.255.0		H2	Acromag ES2113 PCB 4/BIO 2
10.80.13.1	255.255.255.0	H2ModbusC2	H2	Anyway X-Gateway AB9000
10.80.13.11	255.255.255.0		H2	Acromag ES2113 PCB 1/BIO 3
10.80.13.12	255.255.255.0		H2	Acromag ES2113 PCB 2/BIO 3
10.80.13.13	255.255.255.0		H2	Acromag ES2113 PCB 3/BIO 3
10.80.13.14	255.255.255.0		H2	Acromag ES2113 PCB 4/BIO 3
10.80.13.21	255.255.255.0		H2	Acromag ES2113 PCB 1/BIO 4
10.80.13.22	255.255.255.0		H2	Acromag ES2113 PCB 2/BIO 4
10.80.13.23	255.255.255.0		H2	Acromag ES2113 PCB 3/BIO 4
10.80.13.24	255.255.255.0		H2	Acromag ES2113 PCB 4/BIO 4
10.205.0.24	255.255.255.0	H2ECATX1	H2	Ethernet controller internet
10.80.20.1	255.255.255.0	H2ECATX1	H2	EtherCAT controller 1
10.80.21.1	255.255.255.0	H2ECATX1	H2	EtherCAT controller 2
10.80.29.1	255.255.255.0	H2ECATX1	H2	Ethernet controller aux. 1
10.80.22.1	255.255.255.0	H2ModbusX1	H2	Anyway X-Gateway AB9000
10.80.22.11	255.255.255.0		H2	Acromag ES2113 PCB 1/BIO 5
10.80.22.12	255.255.255.0		H2	Acromag ES2113 PCB 2/BIO 5
10.80.22.13	255.255.255.0		H2	Acromag ES2113 PCB 3/BIO 5
10.80.22.14	255.255.255.0		H2	Acromag ES2113 PCB 4/BIO 5
10.205.0.25	255.255.255.0	H2ECATY1	H2	Ethernet controller internet
10.80.30.1	255.255.255.0	H2ECATY1	H2	EtherCAT controller 1
10.80.31.1	255.255.255.0	H2ECATY1	H2	EtherCAT controller 2
10.80.39.1	255.255.255.0	H2ECATY1	H2	Ethernet controller aux. 1
10.80.32.1	255.255.255.0	H2ModbusY1	H2	Anyway X-Gateway AB9000

Address	Subnet	Name	ifo	Description
10.80.32.11	255.255.255.0		H2	Acromag ES2113 PCB 1/BIO 6
10.80.32.12	255.255.255.0		H2	Acromag ES2113 PCB 2/BIO 6
10.80.32.13	255.255.255.0		H2	Acromag ES2113 PCB 3/BIO 6
10.80.32.14	255.255.255.0		H2	Acromag ES2113 PCB 4/BIO 6
10.X.X.X	255.255.255.0	L1ECATC1	L1	Ethernet controller internet
10.120.10.1	255.255.255.0	L1ECATC1	L1	EtherCAT controller 1
10.120.11.1	255.255.255.0	L1ECATC1	L1	EtherCAT controller 2
10.120.15.1	255.255.255.0	L1ECATC1	L1	EtherCAT controller 3
10.120.16.1	255.255.255.0	L1ECATC1	L1	EtherCAT controller 4
10.120.14.1	255.255.255.0	L1ECATC1	L1	Ethernet controller aux. 1
10.X.X.X	255.255.255.0		L1	PTP EtherCAT slave EL6688
10.120.12.1	255.255.255.0	L1ModbusC1	L1	Anyway X-Gateway AB9000
10.120.12.11	255.255.255.0		L1	Acromag ES2113 PCB 1/BIO 1
10.120.12.12	255.255.255.0		L1	Acromag ES2113 PCB 2/BIO 1
10.120.12.13	255.255.255.0		L1	Acromag ES2113 PCB 3/BIO 1
10.120.12.14	255.255.255.0		L1	Acromag ES2113 PCB 4/BIO 1
10.120.12.21	255.255.255.0		L1	Acromag ES2113 PCB 1/BIO 2
10.120.12.22	255.255.255.0		L1	Acromag ES2113 PCB 2/BIO 2
10.120.12.23	255.255.255.0		L1	Acromag ES2113 PCB 3/BIO 2
10.120.12.24	255.255.255.0		L1	Acromag ES2113 PCB 4/BIO 2
10.120.13.1	255.255.255.0	L1ModbusC2	L1	Anyway X-Gateway AB9000
10.120.13.11	255.255.255.0		L1	Acromag ES2113 PCB 1/BIO 3
10.120.13.12	255.255.255.0		L1	Acromag ES2113 PCB 2/BIO 3
10.120.13.13	255.255.255.0		L1	Acromag ES2113 PCB 3/BIO 3
10.120.13.14	255.255.255.0		L1	Acromag ES2113 PCB 4/BIO 3
10.120.13.21	255.255.255.0		L1	Acromag ES2113 PCB 1/BIO 4
10.120.13.22	255.255.255.0		L1	Acromag ES2113 PCB 2/BIO 4
10.120.13.23	255.255.255.0		L1	Acromag ES2113 PCB 3/BIO 4
10.120.13.24	255.255.255.0		L1	Acromag ES2113 PCB 4/BIO 4
10.120.14.1	255.255.255.0	L1ModbusC3	L1	Anyway X-Gateway AB9000
10.120.14.11	255.255.255.0		L1	Acromag ES2113 PCB 1/BIO 1
10.120.14.12	255.255.255.0		L1	Acromag ES2113 PCB 2/BIO 1
10.120.14.13	255.255.255.0		L1	Acromag ES2113 PCB 3/BIO 1
10.120.14.14	255.255.255.0		L1	Acromag ES2113 PCB 4/BIO 1
10.X.X.X	255.255.255.0	L1ECATX1	L1	Ethernet controller internet
10.120.20.1	255.255.255.0	L1ECATX1	L1	EtherCAT controller 1
10.120.21.1	255.255.255.0	L1ECATX1	L1	EtherCAT controller 2
10.120.24.1	255.255.255.0	L1ECATX1	L1	Ethernet controller aux. 1
10.120.22.1	255.255.255.0	L1ModbusX1	L1	Anyway X-Gateway AB9000
10.120.22.11	255.255.255.0		L1	Acromag ES2113 PCB 1/BIO 5
10.120.22.12	255.255.255.0		L1	Acromag ES2113 PCB 2/BIO 5
10.120.22.13	255.255.255.0		L1	Acromag ES2113 PCB 3/BIO 5
10.120.22.14	255.255.255.0		L1	Acromag ES2113 PCB 4/BIO 5
10.X.X.X	255.255.255.0	L1ECATY1	L1	Ethernet controller internet

Address	Subnet	Name	ifo	Description
10.120.30.1	255.255.255.0	L1ECATY1	L1	EtherCAT controller 1
10.120.31.1	255.255.255.0	L1ECATY1	L1	EtherCAT controller 2
10.120.34.1	255.255.255.0	L1ECATY1	L1	Ethernet controller aux. 1
10.120.32.1	255.255.255.0	L1ModbusY1	L1	Anyway X-Gateway AB9000
10.120.32.11	255.255.255.0		L1	Acromag ES2113 PCB 1/BIO 6
10.120.32.12	255.255.255.0		L1	Acromag ES2113 PCB 2/BIO 6
10.120.32.13	255.255.255.0		L1	Acromag ES2113 PCB 3/BIO 6
10.120.32.14	255.255.255.0		L1	Acromag ES2113 PCB 4/BIO 6
10.X.X.X	255.255.255.0	H1ECATT1	H1	EtherCAT controller test/spare 1
10.40.40.1	255.255.255.0	H1ECATT1	H1	EtherCAT controller test/spare 1
10.40.41.1	255.255.255.0	H1ECATT1	H1	EtherCAT controller test/spare 1
10.40.44.1	255.255.255.0	H1ECATT1	H1	EtherCAT controller test/spare 1
10.X.X.X	255.255.255.0	H2ECATT1	H2	EtherCAT controller test/spare 1
10.80.40.1	255.255.255.0	H2ECATT1	H2	EtherCAT controller test/spare 1
10.80.41.1	255.255.255.0	H2ECATT1	H2	EtherCAT controller test/spare 1
10.80.44.1	255.255.255.0	H2ECATT1	H2	EtherCAT controller test/spare 1
10.X.X.X	255.255.255.0	L1ECATT1	L1	EtherCAT controller test/spare 1
10.120.40.1	255.255.255.0	L1ECATT1	L1	EtherCAT controller test/spare 1
10.120.41.1	255.255.255.0	L1ECATT1	L1	EtherCAT controller test/spare 1
10.120.44.1	255.255.255.0	L1ECATT1	L1	EtherCAT controller test/spare 1