

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	Auxiliary network corner 1
10.40.20.0	255.255.255.0	C	H1	EtherCAT controls network corner 1
10.40.21.0	255.255.255.0	C	H1	EtherCAT controls network corner 2
10.40.22.0	255.255.255.0	C	H1	Modbus controls network corner 1
10.40.23.0	255.255.255.0	C	H1	Modbus controls network corner 2
10.40.24.0	255.255.255.0	C	H1	Auxiliary network corner 1
10.40.30.0	255.255.255.0	C	H1	EtherCAT controls network corner 1
10.40.31.0	255.255.255.0	C	H1	EtherCAT controls network corner 2
10.40.32.0	255.255.255.0	C	H1	Modbus controls network corner 1
10.40.33.0	255.255.255.0	C	H1	Modbus controls network corner 2
10.40.34.0	255.255.255.0	C	H1	Auxiliary network corner 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	Auxiliary network corner 1
10.80.20.0	255.255.255.0	C	H2	EtherCAT controls network corner 1
10.80.21.0	255.255.255.0	C	H2	EtherCAT controls network corner 2
10.80.22.0	255.255.255.0	C	H2	Modbus controls network corner 1
10.80.23.0	255.255.255.0	C	H2	Modbus controls network corner 2
10.80.24.0	255.255.255.0	C	H2	Auxiliary network corner 1
10.80.30.0	255.255.255.0	C	H2	EtherCAT controls network corner 1
10.80.31.0	255.255.255.0	C	H2	EtherCAT controls network corner 2
10.80.32.0	255.255.255.0	C	H2	Modbus controls network corner 1
10.80.33.0	255.255.255.0	C	H2	Modbus controls network corner 2
10.80.34.0	255.255.255.0	C	H2	Auxiliary network corner 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	Auxiliary network corner 1
10.120.20.0	255.255.255.0	C	L1	EtherCAT controls network corner 1
10.120.21.0	255.255.255.0	C	L1	EtherCAT controls network corner 2
10.120.22.0	255.255.255.0	C	L1	Modbus controls network corner 1
10.120.23.0	255.255.255.0	C	L1	Modbus controls network corner 2
10.120.24.0	255.255.255.0	C	L1	Auxiliary network corner 1
10.120.30.0	255.255.255.0	C	L1	EtherCAT controls network corner 1
10.120.31.0	255.255.255.0	C	L1	EtherCAT controls network corner 2
10.120.32.0	255.255.255.0	C	L1	Modbus controls network corner 1
10.120.33.0	255.255.255.0	C	L1	Modbus controls network corner 2
10.120.34.0	255.255.255.0	C	L1	Auxiliary network corner 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

EtherCAT IP Network Addresses

Address	Subnet	Name	ifo	Description
10.105.0.22	255.255.255.0	H0ECATS1	LHO	EtherCAT safety controller
10.40.1.1	255.255.255.0	H0ECATS1	LHO	EtherCAT safety controller
10.105.0.23	255.255.255.0	H1ECATC1	H1	EtherCAT controller corner 1
10.40.10.1	255.255.255.0	H1ECATC1	H1	EtherCAT controller corner 1
10.40.11.1	255.255.255.0	H1ECATC1	H1	EtherCAT controller corner 1
10.40.14.1	255.255.255.0	H1ECATC1	H1	EtherCAT controller corner 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
10.105.0.24	255.255.255.0	H1ECATX1	H1	EtherCAT controller EX
10.40.20.1	255.255.255.0	H1ECATX1	H1	EtherCAT controller EX
10.40.21.1	255.255.255.0	H1ECATX1	H1	EtherCAT controller EX
10.40.24.1	255.255.255.0	H1ECATX1	H1	EtherCAT controller EX
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
10.105.0.25	255.255.255.0	H1ECATY1	H1	EtherCAT controller EY
10.40.30.1	255.255.255.0	H1ECATY1	H1	EtherCAT controller EY
10.40.31.1	255.255.255.0	H1ECATY1	H1	EtherCAT controller EY
10.40.34.1	255.255.255.0	H1ECATY1	H1	EtherCAT controller EY
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

Address	Subnet	Name	ifo	Description
10.205.0.23	255.255.255.0	H2ECATC1	H2	EtherCAT controller corner 1
10.80.10.1	255.255.255.0	H2ECATC1	H2	EtherCAT controller corner 1
10.80.11.1	255.255.255.0	H2ECATC1	H2	EtherCAT controller corner 1
10.80.14.1	255.255.255.0	H2ECATC1	H2	EtherCAT controller corner 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	EtherCAT controller EX
10.80.20.1	255.255.255.0	H2ECATX1	H2	EtherCAT controller EX
10.80.21.1	255.255.255.0	H2ECATX1	H2	EtherCAT controller EX
10.80.24.1	255.255.255.0	H2ECATX1	H2	EtherCAT controller EX
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	EtherCAT controller EY
10.80.30.1	255.255.255.0	H2ECATY1	H2	EtherCAT controller EY
10.80.31.1	255.255.255.0	H2ECATY1	H2	EtherCAT controller EY
10.80.34.1	255.255.255.0	H2ECATY1	H2	EtherCAT controller EY
10.80.32.1	255.255.255.0	H2ModbusY1	H2	Anyway X-Gateway AB9000
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	EtherCAT controller corner 1

Address	Subnet	Name	ifo	Description
10.120.10.1	255.255.255.0	L1ECATC1	L1	EtherCAT controller corner 1
10.120.11.1	255.255.255.0	L1ECATC1	L1	EtherCAT controller corner 1
10.120.14.1	255.255.255.0	L1ECATC1	L1	EtherCAT controller corner 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.X.X.X	255.255.255.0	L1ECATX1	L1	EtherCAT controller EX
10.120.20.1	255.255.255.0	L1ECATX1	L1	EtherCAT controller EX
10.120.21.1	255.255.255.0	L1ECATX1	L1	EtherCAT controller EX
10.120.24.1	255.255.255.0	L1ECATX1	L1	EtherCAT controller EX
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	EtherCAT controller EY
10.120.30.1	255.255.255.0	L1ECATY1	L1	EtherCAT controller EY
10.120.31.1	255.255.255.0	L1ECATY1	L1	EtherCAT controller EY
10.120.34.1	255.255.255.0	L1ECATY1	L1	EtherCAT controller EY
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
10.105.0.26	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

Address	Subnet	Name	ifo	Description
10.205.0.26	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