

CTI-2572

2572 Ethernet TCP/IP Adapter

Control Technology Inc. CTI-2572 is a single-wide Ethernet TCP/IP adapter for compatible CTI 2500 and Siemens/TI 505 control systems, with 10BaseT networking and two serial ports.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	CTI-Control Technology Inc
System family	CTI 2500 Classic / Siemens TI 505
Part number	CTI-2572
Document status	Controlled product and system reference

DOCUMENT SCOPE

Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING NOTE

Correct the legacy record to CTI-Control Technology Inc. and exact model CTI-2572. Record IP address, subnet mask, default router, TCP/UDP port use, PLC memory mapping and both serial-port assignments before replacement. Do not represent it as a Siemens-manufactured module.

System Role and Architecture

Control Technology Inc. CTI-2572 is a single-wide Ethernet TCP/IP adapter for compatible CTI 2500 and Siemens/TI 505 control systems, with 10BaseT networking and two serial ports.

FUNCTION 1
Single-wide CTI 2500/505-compatible module

FUNCTION 2
IEEE 802.3 10BaseT RJ-45 interface

FUNCTION 3
TCP and UDP client/server communications

FUNCTION 4
Two serial ports with programming/MMI support

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	CTI 2500 Classic / Siemens TI 505
02	Matched extension cable and ClickLoc connector loop
03	3300 XL Proximitior Sensor host channel
04	AISI 4140 steel target or approved equivalent

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	CTI 2500 Classic / Siemens TI 505
Interface role	2572 Ethernet TCP/IP Adapter
Field / power context	The adapter occupies one I/O slot and bridges the controller to a 10BaseT network while retaining two
Commissioning evidence	Identity, gap, polarity, response and alarm diagnostics recorded

INSTALLATION AND CONNECTION CHECKS

- 1

Confirm CTI-2572 on the complete Control Technology Inc. nameplate.
- 2

Place the controller and connected process in the approved maintenance state.
- 3

Back up IP address, subnet mask, default router, port use and PLC logic.
- 4

Record rack slot, RJ-45 network, both serial ports and cable assignments.

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
CTI model	2572	Serial interfaces	Two ports for PLC programming and MMI use
Module type	Ethernet TCP/IP adapter	Communication roles	Client/server and peer-to-peer
Form factor	Single-wide I/O module	Serial redirection	Supported
Ethernet standard	IEEE 802.3 10BaseT	Programming support	Workshop and TISOFT
Ethernet connector	RJ-45	Lifecycle	Mature product from 1 August 2012
Transport protocols	TCP and UDP	Documented successors	2572-A and 2500-ECC1, subject to application review

RELATED GE PRODUCT PAGES

1 Schneider Electric
bmxddi3202k-469854

2 Bently Nevada 10026-02-12-05-02

3 Bently Nevada 10030-05-30-05-02

4 ABB 3bhb003041r0101

5 ABB zint-592-3aua0000103603

6 ABB
zcu-14-3axd50000182992-768573

7 ABB zcu-14-3axd50000005164

8 ABB xvc772a102-3bhe032285r0102

9 ABB nbra-657c-c2-a059006410

ENGINEERING BOUNDARY

Confirm CTI-2572, compatible CTI 2500/Siemens TI 505 host, rack slot, IP address, subnet mask, default router, TCP/UDP services, PLC memory mapping, RJ-45 network and two serial-port assignments before commissioning.

PRE-INSTALLATION CHECKS

- 1

Confirm CTI-2572 on the complete Control Technology Inc. nameplate.
- 2

Place the controller and connected process in the approved maintenance state.
- 3

Back up IP address, subnet mask, default router, port use and PLC logic.
- 4

Record rack slot, RJ-45 network, both serial ports and cable assignments.

Applications and Engineering Context

PLC Ethernet integration

Connects a compatible controller to TCP/IP hosts.

HMI and SCADA access

Provides the documented network path for supervisory systems.

Peer controller communications

Supports configured client/server or peer exchange.

Legacy network maintenance

Preserves a mature 2572 Ethernet node.

TECHNICAL NOTE

Correct the legacy record to CTI-Control Technology Inc. and exact model CTI-2572. Record IP address, subnet mask, default router, TCP/UDP port use, PLC memory mapping and both serial-port assignments before replacement. Do not represent it as a Siemens-manufactured module.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	CTI-2572 recorded
Host / carrier	CTI 2500 Classic / Siemens TI 505
Physical interface	Exact identity, installed position and every connected interface matched
Configuration	Recorded hardware and software configuration restored
Functional proof	Diagnostics and controlled functional response recorded

IMPORTANT NOTICE

Confirm CTI-2572, compatible CTI 2500/Siemens TI 505 host, rack slot, IP address, subnet mask, default router, TCP/UDP services, PLC memory mapping, RJ-45 network and two serial-port assignments before commissioning.

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER

1

Schneider Electric bmxddi3202k-469854

View Schneider Electric bmxddi3202k-469854 page

2

Bently Nevada 10026-02-12-05-02

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7

ABB zcu-14-3axd50000005164

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9

ABB nbra-657c-c2-a059006410

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MANUFACTURER SOURCE RECORD

2572 Ethernet TCP/IP Adapter Product Bulletin and FAQ | Control Technology Inc. 2500 Classic documentation

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



RECOMMENDATION SCOPE

These links support product navigation and comparison. Technical values in this document are sourced only from the manufacturer record above.