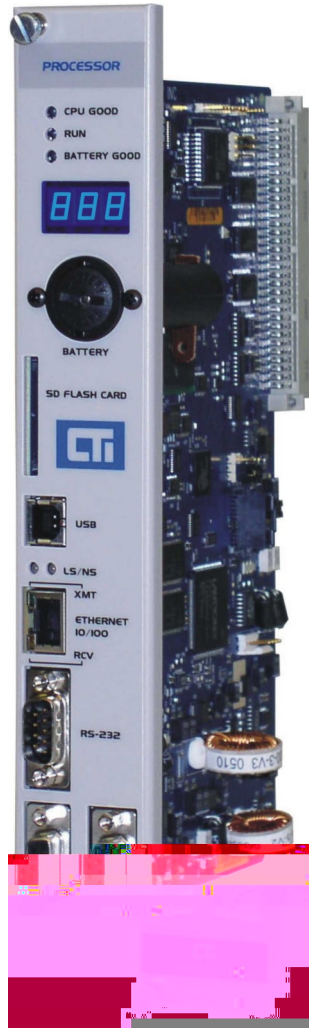


CTI 2500 Series[®] Programmable Controllers



2500 Series[®] PLC System
Product Bulletin

DESCRIPTION

0DA / ANAO KJ NKHAND NEICA EBJJA
BA MAO J@ JA HA AHKBLNK ACC
LANKN J A K / E E KJ NKH OAI O
0DA J@ I K@ND OEH D J@A
I A@EI KHNA@ MA KJ NKH LLHE EKJO O
AHH O CE LNK ACC LLHE EKJO ODA
J@ I K@ND MA AM ELA@KD J@A HNA
LNK ACC LLHE EKJO EDI J , % HKLO J@
HNI O J@CLA EH DAI E HB J EKJO ODA
/ ANAO KJ NKHAND NA @ACEJA@K
OAI MAO NALH A HH/E E J@
KJ NKHAND DEALNK E@CI DDEDAN
LANKN J A HK AN KO ODA KJ NKHAND NA
O LLKNA@ KI LHA AN JCAKB@E H
J HKC J@CLA EHEA@%+ I K@HAO LK AN
O LLHEO J@%+ OAO HH EI HABKI 0%

FEATURES

- ALH AO HH/E E J@ I K@ND
- EEB DANJA J@1/ LKNOBKN
LNKN I I EC
- EEB / HOD N@KNBN NA L@ A
BKI BHOD
- EEB , NKEE O J@ / . AI KA%+ KJ
J@ I K@ND
- 1 L K) AOI AI KN %+ LKE O
, % HKLO HNI O @ALAJ@CKJ
I K@H
- , NKNI I HA CEIC3 KNGOKL
- % ACNE . A HDIE A+LAN EC/ OAI BKN
DEEDNAE EE J@OA NE

SPECIFICATIONS

Ports:

DANJA) E . &
/ I HA
, NKEE O) E BA HA
. AI KA%+ I HA
/ HOD N@ L K AO ED BN NA
2 J@DEDAN
L JOEKJ LKN B NA OA

User Memory:

Loops / Alarms:

Status Display: EE (@ELH BKNO OAI
O O ANKNALKNEIC J@% @@ACC
Backplane Power: 3 O I E I

Operating Temperature: K K K
Storage Temperature: K K K
Relative Humidity: K

Agency Approvals: 1 (1 (HOO E
Shipping Weight: H C



KJ NKHA DJKHK %
) E@A NKG, EA JK BHA O
, DKJA
KJ NKHA DJKHK KI

IMPORTANT NOTE: 0DE@LNK@ EJ H@AO HEDEI AN BKN GEJC L DA OANLNKNI
NAAJEA NE HAO J@OAI @EJKOEO KNOBA EJ NJOLKN EKJ DA AN EBO HA@
@E HA@, NKNKL EC DE@LNK@ BKONEA K)1/0IK A@EO ED/3 K DA (+/
LKCEKJ KAJ HA DA AN

COMPATIBILITY OVERVIEW

0DA 0% / ANAO, NK AOCKNE@ACEJA@K A KI L EHA ED OKI AN LLHE EKJO D OA DA
/E E J@ KJ NKHAN 3 DEFA DA 0% I DAOKNA AA@ DA L HHAOKB DAQA
LNK AOCKNE@I KO CLA O DANA NA BA NA OE DED DA 0% KLAN AO@BNAJH

Relay Ladder Logic

0DA. ((OA@E DA KJ NKHANLNK @OAM E HAJ EON EKJOBKN HHE E EON EKJOA AL
DA4/1 EON EKJ ANI HO NK EAO NAJK OLLKNA@B K @ JIK @ LNKNI KJ BEC
DA4/1 EON EKJ E HHA@EJKNA@%I J OAO4/1 ED OA@BKN KI I JE EKJO ED
/E AJO, NKE O)% JAO KN DAQA EBO HHE EKJO AD A 0%LNKNI BNAKJK N A CEA
DEDNALH AO DA4/1 KN4/1 OAKDAND J/E AJO)% JAO 0%J@K NL NJAND
J@A AKL 4/1 NALH AI AJ OKB NA CEJC/ LNKNI I EC, HA OA KJ O

Special Function Programs

0DA KJ NKHAN KI LEAO HHE LNKNI O J@O NK EAO 0DA NA KI LEA@E DABKHK EC
CE EKJO

- 3 DAJ OANLNKNI ED@ JIK @A@K DA, (B DA/ , NKNI KNO NK EAJE AJ HA@
- 3 DAJ DA/ LNKNI KNO NK EAJE AJ HA@B DA/ LNKNI D O AAJI K@E@
- NEC , K ANILO N BKHK EC DA LLHE EKJ KBLK AN

, NKNI O D KJ BANKN HHEK AAJ HA@ NEC LNKNI @ JIK @3 KNOCKL HHE@LH
I AOC AE@E EC DA ANKN+J A K GIK HA@DA AI AOC CA DA@ JIK @ HHEKJ E A
HA EC DALNKNI @E HA@5K I O KNA DALNKNI I EC ANKN ABNA DALNKNI KN
O NK EAJ A AJ HA@1OAN, NKNI OKNE@ HHE NEAJ BKND A/E E , (I KJ E
J@A A@ANKN ED DALNKNI O ANAJ KNE@ HHE KI LEA@OED JK N A OA DA/
E ANLNA ANJA AN AI LOKA A A DA EON EKJ @A K DA NJ DE@KCE KI I KJ LNK HA ED
D @E@KJ H %O AI AJO NA E HA@KND A KNA J I ANKB %O AI AJO E@JK
LNCAJ

1 JHEA DA/E E DANA NAJK NAONE EKJONC NE@C DA EON EKJO D J A OA@E
KI LEA@LNKNI

User Configuration

0DA BKHK EC @BNAJ AO E DA OAN KJEC N EKJ CDK @A JKA@

HK EKJ KB / I AI KN EDJK OLLKNA@0DA 0% KJ NKHAN OAOED CLAA@ .) K
OKNA J@A A A KI LEA@/ LNKNI O J@O NK EAO KJOAM AJH / I AI KN EDJK
NAM EA@
1OAN HK EKJ KB1OAN/ NK EAI AI KN EDJK OLLKNA@0DA 0% KJ NKHAN@AOJK
OLLKN OANO NK EAO 4/1 /AA4/1 @ONE EKJ KA
E AOEABKN. ALKN AL EKJ . EDJK OLLKNA@/KI A HANJ EACKH EKJOA ED
, HA OA KJOH O ED K NA KJEC N EKJ
JA E AOE A A KNG KI I JE EKJO D O AAJ @A@K OLLKN DAHK H DANJA LKN

I/O Support

The following are not presently supported. This is subject to change.

- %ANNL %t

Support of Special Function Modules

) KO 0%J@/ EAJOCLA EHB J EKJ I K@HAO NA OLLKNA@ KI LHA@H CDK EC DA

K I L E H O O I K @ H A L N J I A N E I E E A @ E D A O A D J E H @ E K N D E D
J A B K J @ D A N A

D L K J N K H A D J K I K C K I E A O , N K @ O A D J E H @ E K N N A O N E A @
A D J E H @ E K N

Ethernet Support

H H / A N E A O , N K A O O K N I K O A N E H O A E E B D A N J A L K N D E D E O K I L E H A E D
D A L K N O K J D A 0 % J @ D A N J A @ L A N D O D A L H H A O K B D A D A N J A
L K N K J D A L N K A O O K N E B A N D O E E D H B N K I D K O A K B D A L K N O K J D A D A N J A @ L A N D O D A
H A A H K O I I N E A O D A B A N A O E H O A @ K J A D L N K @

Feature	2500-Cxxx Processor	2500P-ECC1	2572 Ethernet Module	2572-A/B Ethernet Module
100Mbit ethernet	AO	AO	JK	AO
TCP communications	AO	AO	AO	AO
UDP communications	JK	AO	AO	AO
DHCP for IP address assignment	JK	JK	JK	AO JK
Modbus-TCP	JK	AO	JK	AO
Ethernet-IP (communicate to ControlLogix [®])	JK	JK	JK	AO
Send/Receive (communicate to S7 [®])	JK	JK	AO	JK
Multicast	JK	AO	JK	AO
Datashare	JK	JK	AO	JK
Peer-Peer communications	O A N A N K J H	H E A J O A N A N	H E A J O A N A N	H E A J O A N A N
Communicates with CTI OPC/DDE servers	AO	AO	AO	AO
Port configuration using PLC logic	JK	JK	AO	AO
Email	JK	JK	AO	JK
Webserver for diagnostics	AO	AO	JK	AO
Number of TCP connections	, N K O N I I E C) %	O A A J K A A H K		O A A J K A A H K
Compatible with Siemens [®] CPUs		JK	AO	AO

Note 1—2500P-ECC1 Maximum Ethernet Connections

) , / ANAN 16 0 , 1 ,
) , HAJ 16 K HKBO , J@1 ,
) K@ O/ ANAN 16 0 , KJH
) K@ O HAJ) OAN 64 K HKBO , J@1 ,
 A KNG D JCA, HEDAN 20 0 ,
 A KNG D JCA/ O NEAN 20 0 ,

Note 2—2572A Maximum Ethernet Connections

) , / ANAN 24 0 , 1 ,
) , HAJ 8 K HKBO , J@1 ,
 DANJA % / ANAN 8 KJJA EKJO
) K@ O/ ANAN 8 KJJA EKJO

Ethernet Access

Port 4452: +JA0 , KJJA EKJ BKNLKCN I I EJCCKB NA 0DEDLKN NA AE AOLNENE EJ KI I JE EKJO
Ports 1505 or 4450: 0DNAA0 , KJJA EKJOBKN@ AOO

2500-Cxxx Programmable Controllers Model Comparison

Feature	2500-C100	2500-C200	2500-C300	2500-C400
User Program RAM				
Discrete I/O Points				
Word I/O Points				
Control Relays				
Retentive Control Relays				
Timers/Counters				
Compiled SF	5 AO	5 AO	5 AO	5 AO
Cyclic PID Loops				
RLL PID Loops (Fast Loops)				
Analog Alarms				
Special Function Programs				
Special Function Subroutines				
Remote I/O	KJA	1 L K OAO	1 L K OAO	1 L K OAO
Profibus I/O	KJA	1 L K OAO	1 L K OAO	1 L K OAO
Maximum Serial Port Data Rate				
On-board User Flash	5 AO	5 AO	5 AO	5 AO
Local Ethernet Port	5 AO	5 AO	5 AO	5 AO
USB Port	5 AO	5 AO	5 AO	5 AO
Battery	NOKN CA N KJ E K O I KO			