

Smart choice for your industrial Ethernet infrastructure

Hardened Gigabit Ethernet Switches
Serial & Ethernet Media Converters

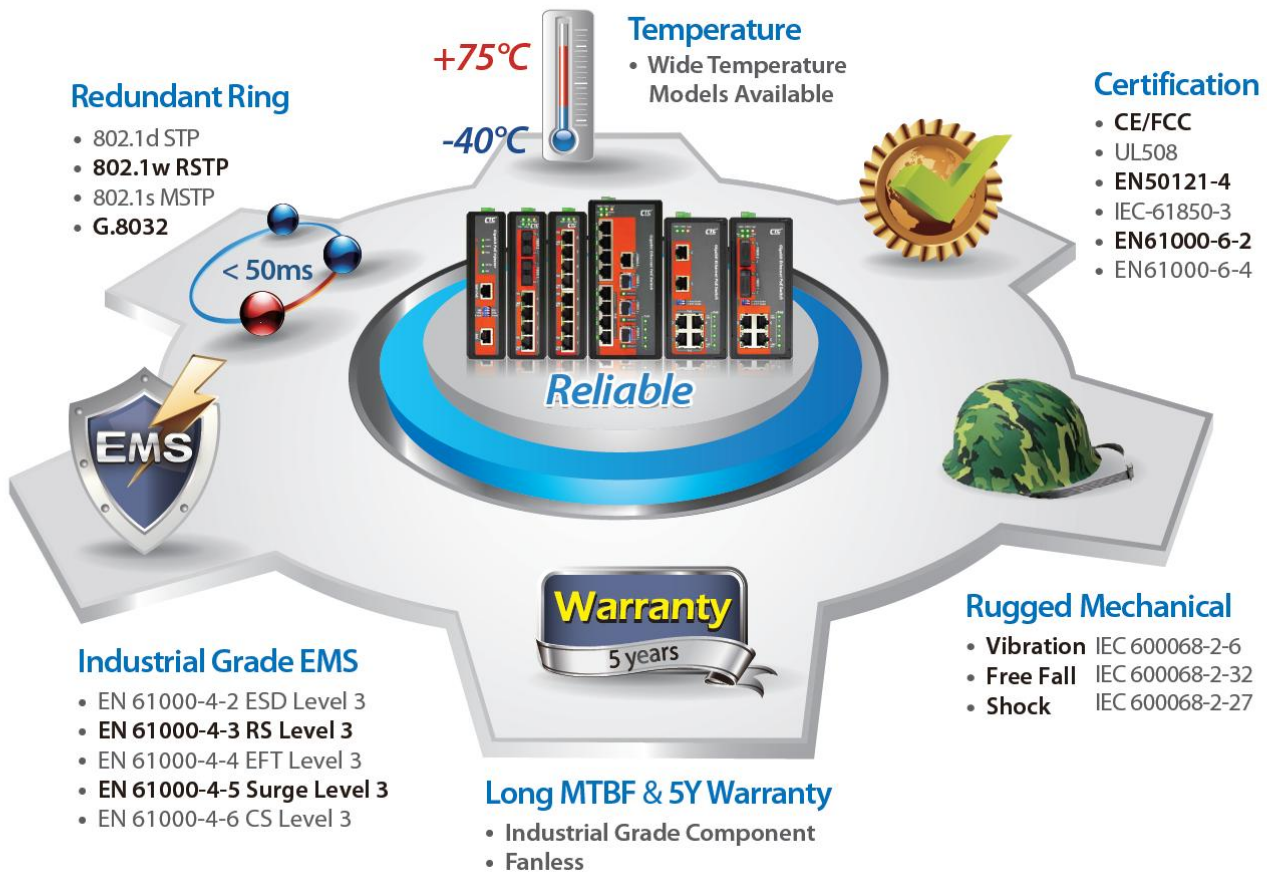
High Power PoE Switches
PoE Injectors



Industrial Ethernet Fiber



CTC Union offers a variety of industrial networking solutions, including Fast Ethernet and Gigabit Ethernet switches, copper to fiber media converters and serial interface to fiber converters as well as Power over Ethernet related products. CTC Union's industrial network products ensure efficient and reliable transmission performance by its hardened design of robust mechanical, dual and wide range power input, high EMS protection and long MTBF. Especially, provides wide operating temperature for harsh industrial environment. CTC Union's industrial network products designed for communication demanding applications, such as renewable energy data transmitting, video and process monitoring, ITS, IP surveillance, and DCS systems.



UL508 Safety
Industrial Control
Equipments



Surge Protection
Protect Electronics
from Power Surges



RoHS
Caring for
the Earth



ESD
Electrostatic
Discharge Protection



Power over
Ethernet



Wide Temperature
Harsh Environments



Anti-Vibration



Dust-Proof



Isolation



IEC-61850-3



EN50121-4



Ring Technology
Redundant Ring



www.ctcu.com

Av. 11 de Septiembre, 1881 Of. 1620, Providencia, Santiago, Chile
Tel: (56)(2) 24405144 - 24192610 – Móvil: (56)(9) 92978085
Sitio Web: www.globacom.cl - E-mail: ventas@globacom.cl

High Power PoE Ethernet Switches

Unmanaged



- ◀ **IGS-600-4PH24 & IGS-600-4PHE24**
6-Port 10/100/1000Base-T(X) with 4-Port High Power PoE GbE Switch
- ▶ **IGS-401F-4PH24 & IGS-401F-4PHE24**
4-Port 10/100/1000Base-T(X) and 1-Port 1000Base Fiber with 4-Port High Power PoE GbE Switch



- ◀ **IGS-402F-4PH24 & IGS-402F-4PHE24**
4-Port 10/100/1000Base-T(X) and 2-Port 1000Base Fiber with 4-Port High Power PoE GbE Switch
- ▶ **IGS-402S-4PH24 & IGS-402S-4PHE24**
4-Port 10/100/1000Base-T(X) and 2-Port 100/1000Base SFP Fiber Slots with 4-Port High Power PoE GbE Switch

- PoE (PSE) IEEE802.3af /at Compliant
- Redundant dual power input booster 24/48VDC (20~57VDC)
- Rail Traffic EN50121-4 Certified
- Industrial Grade EMS, EMI, EN61000-6-2, EN61000-6-4 Certified
- Wide Operating Temperature -40~75°C available

Managed



- ◀ **IGS-803SM-8PH24 & IGS-803SM-8PHE24**
8-Port 10/100/1000Base-T(X) and 3-Port 100/1000 SFP Fiber Slots with 8-Port High Power PoE GbE Switch

- ▶ **IFS-803GSM-8PH24 & IFS-803GSM-8PHE24**
8-Port 10/100Base-T(X) and 3-Port 100/1000 SFP Fiber Slots with 8-Port High Power PoE Switch

- PoE (PSE) IEEE802.3af /at Compliant
- Redundant dual power input booster 24/48VDC (20~57VDC)
- Rail Traffic EN50121-4 Certified
- MSTP, RSTP, STP and G.8032 Ring < 50ms redundancy
- Industrial Grade EMS, EMI, EN61000-6-2, EN61000-6-4 Certified

Gigabit Ethernet PoE Injector



- ◀ **INJ-IG60-24 & INJ-IG60-E24**
1-Port Gigabit with PoE+15.4/30/36/60W Injector

- IEEE802.3af /at Compliant
- Power input 24/48VDC (20~57VDC) booster
- Power output : 15.4 / 30 / 36 / 60Watts for heavy-duty devices
- Industrial Grade EMS, EMI, EN61000-6-2, EN61000-6-4 Certified
- Rail Traffic EN50121-4 Certified
- Wide Operating Temperature -40~75°C available

Industrial Ethernet Switches

Unmanaged



- ◀ **IFS-800 & IFS-800-E**
8-Port unmanaged 10/100Base-T(X) Fast Ethernet Switch

- ▶ **IFS-500 & IFS-500-E**
5-Port unmanaged 10/100Base-T(X) Fast Ethernet Switch



- ◀ **IGS-401F & IGS-401F-E**
4-Port 10/100/1000Base-T(X) and 1-Port 1000Base Fiber GbE Switch

- ▶ **IGS-402F & IGS-402F-E**
4-Port 10/100/1000Base-T(X) and 2-Port 1000Base Fiber GbE Switch



- ◀ **IGS-402S & IGS-402S-E**
4-Port 10/100/1000Base-T(X) and 2-Port 100/1000Base SFP Fiber Slots GbE Switch

- ▶ **IFS-402F & IFS-402F-E**
4-Port 10/100Base-T(X) and 2-Port 100Base-FX Fiber Fast Ethernet Switch

- Provides broadcast storm protection
- Redundant dual power input 12/24/48VDC (9.6 ~ 60VDC)
- Industrial Grade EMS, EMI, EN61000-6-2, EN61000-6-4 Certified
- Rail Traffic EN50121-4 Certified
- Wide Operating Temperature -40~75°C available

Managed



- ◀ **IGS-803SM & IGS-803SM-E**
8-Port 10/100/1000Base-T(X) and 3-Port 100/1000 SFP Fiber slots GbE Switch

- ▶ **IFS-803GSM & IFS-803GSM-E**
8-Port 10/100Base-T(X) and 3-Port 100/1000 SFP Fiber slots GbE Switch

- Redundant dual power input 12/24/48VDC(9.6~60VDC)
- Industrial Grade EMS, EMI, EN61000-6-2, EN61000-6-4 Certified
- Rail Traffic EN50121-4 Certified
- Wide Operating Temperature -40~75°C available

Ethernet Media Converters



IMC-100 & IMC-100-E
10/100Base-T(X) to 100Base-FX
Fiber Converter



IMC-100-PD & IMC-100-PDE
10/100Base-T(X) to 100Base-FX
Fiber Converter with PoE PD



IMC-1000 & IMC-1000-E
10/100/1000Base-T(X) to 100/1000Base
SX/LX Fiber Converter



IMC-1000M & IMC-1000M-E
10/100/1000Base-T(X) to 100/1000Base SX/LX
Managed Fiber Converter

IMC-1000S & IMC-1000S-E
10/100/1000Base-T(X) to 100/1000Base
SFP Fiber Converter

IMC-1000MS & IMC-1000MS-E
10/100/1000Base-T(X) to 100/1000Base SFP
Managed Fiber Converter

- Supports PoE/PD IEEE802.3af Compliant (IMC-100-PD & IMC-100-PDE)
- Redundant dual power input 12/24/48VDC(9.6~58VDC)
- Industrial Grade EMS, EMI, EN61000-6-2, EN61000-6-4 Certified
- Rail Traffic EN50121-4 Certified
- Wide Operating Temperature -40~75°C available

PoE

Managed

Serial Media Converters



IFC-FDC & IFC-FDC-E
RS-232/422/485 Daisy Chain Fiber Converter

IFC-Serial & IFC-Serial-E
RS-232/422/485 Fiber Converter

- Supports Fiber Ring Transmission
- Supports Daisy-chain
- Supports 2.5KV Isolation
- Redundant dual power input

Serial Device Servers



STE100A/RS232
RS-232 Device Server

STE100A-485
RS-485 Device Server

- 230.4kbps serial interface
- TCP Server, TCP client, Virtual Com, Paired Mode, UDP
- Supports HTTP, ICMP, ARP, IP, UDP, TCP

Industrial Power Supplies



DR-120-24 DR-4524 MDR-40-24

Features

- Protections: Short Circuit/Overload/ Over voltage
- LED indicator for power on
- Cooling by free air convection
- Installation mounting by Din Rail
- Industrial Grade EMS
- UL508, UL60950-1, TUV, CE

Model	Operation Temp.	Input	Output
DR-120-24	-10 ~ 60°C	85 ~ 264VAC, 120 ~ 370VDC	24VDC, 5A
DR-4524	-10 ~ 50°C	85 ~ 264VAC, 120 ~ 370VDC	24VDC, 2A
MDR-40-24	-20 ~ 70°C	85 ~ 264VAC, 120 ~ 370VDC	24VDC, 1.7A

Industrial Ethernet Switch Selection Table

Model Name	Port Numbers	Port Interface			Fiber Port Interface			PoE Function	Features		
		10/100-T(X)	10/100/1000-T(X)	100-FX	1000-X	100/1000-X	Port Numbers	MGT	Power Redundancy	Temperature	
IFS-500	5	5							✓	-0 ~ 60°C	
IFS-500-E	5	5							✓	-40 ~ 75°C	
IFS-800	8	8							✓	-0 ~ 60°C	
IFS-800-E	8	8							✓	-40 ~ 75°C	
IFS-402F	6	4		2					✓	-0 ~ 60°C	
IFS-402F-E	6	4		2					✓	-40 ~ 75°C	
IGS-401F	5		4		1				✓	-0 ~ 60°C	
IGS-401F-E	5		4		1				✓	-40 ~ 75°C	
IGS-402F	6		4		2				✓	-0 ~ 60°C	
IGS-402F-E	6		4		2				✓	-40 ~ 75°C	
IGS-402S	6		4			2			✓	-0 ~ 60°C	
IGS-402S-E	6		4			2			✓	-40 ~ 75°C	
IGS-600-4PH24	6		6				4		✓	-0 ~ 60°C	
IGS-600-4PHE24	6		6				4		✓	-40 ~ 75°C	
IGS-401F-4PH24	5		4		1		4		✓	-0 ~ 60°C	
IGS-401F-4PHE24	5		4		1		4		✓	-40 ~ 75°C	
IGS-402F-4PH24	6		4		2		4		✓	-0 ~ 60°C	
IGS-402F-4PHE24	6		4		2		4		✓	-40 ~ 75°C	
IGS-402S-4PH24	6		4			2	4		✓	-0 ~ 60°C	
IGS-402S-4PHE24	6		4			2	4		✓	-40 ~ 75°C	
IFS-803GSM	11	8				3		✓	✓	-0 ~ 60°C	
IFS-803GSM-E	11	8				3		✓	✓	-40 ~ 75°C	
IGS-803SM	11		8			3		✓	✓	-0 ~ 60°C	
IGS-803SM-E	11		8			3		✓	✓	-40 ~ 75°C	
IFS-803GSM-8PH24	11	8				3	8	✓	✓	-0 ~ 60°C	
IFS-803GSM-8PHE24	11	8				3	8	✓	✓	-40 ~ 75°C	
IGS-803SM-8PH24	11		8			3	8	✓	✓	-0 ~ 60°C	
IGS-803SM-8PHE24	11		8			3	8	✓	✓	-40 ~ 75°C	

Av. 11 de Septiembre, 1881 Of. 1620, Providencia, Santiago, Chile Tel: (56)(2) 24405144 - 24192610 – Móvil: (56)(9) 92978085

E-mail: ventas@globacom.cl



CTC UNION TECHNOLOGIES CO., LTD.

8F, No.60, Zhouzi St. Neihu, Taipei 114, Taiwan TEL : +886 2 2659-1021 FAX : +886 2 2659-0237 sales@ctcu.com

© Copyright 2013 CTC UNION TECHNOLOGIES CO., LTD.

CTC UNION and the CTC UNION logo are trademarks of CTC UNION TECHNOLOGIES CO., LTD. All rights reserved. All other trademarks are the property of their respective owners.

Specifications & design are subject to change without prior notice. Please visit CTC UNION website for more details.

Printed 04/2013 V2.0

www.globacom.cl
www.globacom.ec
www.ctcu.com