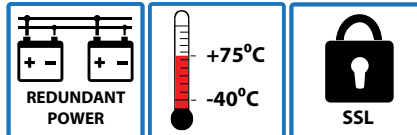


**HARDENED 3 PORT SECURE SERIAL TO ETHERNET DEVICE SERVER WITH
1xRS-232/422/485 AND 2x10/100BASE-T(X)****MEDIA CONVERTER****FEATURES**

- Operating Modes : Virtual Com, Serial Tunnel, TCP Server, TCP Client, UDP
- Redundant multiple host devices :
5 host devices : Virtual COM, TCP Server, TCP Client mode
4 IP ranges : UDP
- NAT Pass-Through : the user can manage IDS-5012 through NAT router
- Security : SSL data encryption ; secured management by HTTPS and SSH
- IP Access : IP White List
- Internet Communication : PPPoE authentication
- Update DNS Hostname : DDNS
- Dual redundant Ethernet port support redundant mode
(Recovery time < 10ms)
- Ethernet switch mode enable Daisy Chain
- Event Warning by Syslog, Email, SNMP trap, and Beeper
- Configurable by Web-based and Windows utility (DS-Tool)
- Various Windows O.S. supported :
- Windows NT/2000/ XP/ 2003/VISTA(32/64bit)/Windows 7(32/64bit)

DESCRIPTION

Meridian's MC3FT2G1 media converter is an innovative secure 1-port RS-232/422/485 to 2 port LAN serial to Ethernet device server featuring the standard features of device server, such as TCP/IP interface and versatile operation modes: Virtual Com, Serial Tunnel, TCP Server, TCP Client, UDP. In addition, the Windows utility, DS-Tool, could configure multiple devices and set up the mappings of Virtual Com.

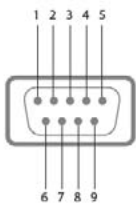
The features of NAT Router Pass-Through, DDNS, and PPPoE make it more convenient for administrators to configure ORing's device servers through NAT router from different IP domains or Internet via modem remotely. On the other hand, MC3FT2G1 can simultaneously transfer data up to 5 redundant host PCs to avoid Ethernet connection breakdown or any host PC fails. Further, IDS-5012 features HTTPS, SSH, and SSL encryption to assure the security of critical data transmission.

MC3FT2G1 supports RS-232/422/485 and provides dual redundant power inputs, 12~48 VDC, on DC power jack and terminal block to guarantee a nonstop operation. With wide operating temperature, -40~75°C, and rugged IP-30 housing design, MC3FT2G1 could operate in the harsh industrial environment.

Therefore, MC3FT2G1 is the best solution to the high demand of secure serial to Ethernet critical data communication.

SPECIFICATIONS

Physical Ports	
10/100Base-T(X) Ports in RJ45 Auto MDI/MDIX	2
Serial Ports	
Connector	DB9(male) x 1
Operation Mode	RS-232 / RS-422 / 4(2)-Wire RS-485. Which can be configured by DS-Tool
Serial Baud Rate	110 bps to 460.8 Kbps
Data Bits	5, 6, 7, 8
Parity	odd, even, none, mark, space
Stop Bits	1, 1.5, 2
RS-232	TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND
RS-422	Tx+,Tx-, Rx+, Rx-,GND
RS-485 (4-wire)	Tx+,Tx-, Rx+, Rx-,GND
RS-485 (2-wire)	Data+, Data-,GND
Flow Control	XON/XOFF, RTS/CTS, DTR/DSR
Network Features	
Network Protocols	ICMP, IP, TCP, UDP, DHCP, BOOTP, SSH, DNS, SNMP V1/V2c, HTTPS, SMTP, SSL, PPPoE, DDNS
LED indicators	
Power indicator	PWR 1(2) / Ready: Red On : Power is on and booting up. Red Blinking : Indicates an IP conflict, or DHCP or BOOTP server did not respond properly. Green On : Power is on and functioning Normally. Green Blinking : Located by Administrator.
10/100Base-T(X) RJ45 Port Indicator	Green for port Link/Act at 100Mbps. Amber for port Link/Act at 10Mbps.
100Base-FX fiber port indicator	Green for port Link/Act at 100Mbps. Amber for port Link/Act at 10Mbps.



Pin #	RS-232	RS-422	RS-485 (4 wire)	RS-485 (2 wire)
1	DCD	RXD -	RXD -	-
2	RXD	RXD +	RXD +	-
3	TXD	TXD +	TXD +	DATA +
4	DTR	TXD -	TXD -	DATA -
5	GND	GND	GND	GND
6	DSR	-	-	-
7	RTS	-	-	-
8	CTS	-	-	-
9	RI	-	-	-

RS-232 mode act as DTE

Serial TX / RX LEDs	Red : Serial port is receiving data Green : Serial port is transmitting data
Power	
Redundant Input Power	Dual DC inputs. 12~48 VDC on 3-pin terminal block and power jack
Power Consumption (Typ.)	4 watts
Overload Current Protection	Yes
Reverse polarity protection	Present on terminal block
Physical Characteristic	
Enclosure	IP-30
Dimension (W x D x H)	72(W) x 29.4(D) x 123.4(H) mm (2.83x1.16x4.86 inch.)
Weight (g)	327 g (0.72 lb.)
Environmental	
Storage Temperature	-40 to 85°C (-40 to 185°F)
Operating Temperature	-40 to 75°C (-40 to 167°F)
Operating Humidity	5% to 95% Non-condensing
Regulatory approvals	
EMI	FCC Part 15, CISPR (EN55022) class A
EMS	EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11
Shock	IEC60068-2-27
Free Fall	IEC60068-2-32
Vibration	IEC60068-2-6
Safety	EN60950-1
MTBF (Hours)	(MIL-HDBK-217F2, GB, GC, 25°C) 533,615

Ordering Information		
Products	Part Number	Description
	MC3FT2G1	Hardened 3 port secure serial to Ethernet device server with 1xRS-232/422/485 and 2x10/100Base-T(X)
Power supplies (option)	PSH24DC24 WP-24	PSH24DC24 - 24VDC @ 1 Amp (24 Watts) 24 VDC wall plug adapter (1000 mA), 110-220 VAC input

Packing List	
MC3FT2G1	1
Wall-Mount Kit	1
Quick Installation Guide	1
Din-Rail Kit (attached)	1
M-Ring Tool CD	1