

TDGAR-1083D+-D4G12S-M12X-WV

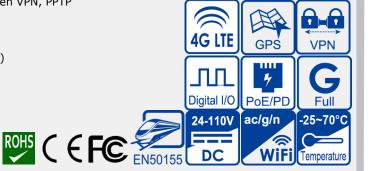
Industrial EN50155 802.11 ac/g/n 4G LTE Cellular GPS Router with 3x10/100/1000Base-T(X), M12 Connector



Features

- Leading EN50155-compliant wireless access point for rolling stock application
- Provide HNAT enhance LAN to WAN routing performance
- Provide SNAT/PAT/1:1 NAT
- Dual high Speed Air Connectivity: each WLAN interface support IEEE 802.11 ac/g/n up to 867Mbps link speed
- Highly Security Capability: WEP/WPA/WPA-PSK(TKIP,AES)/ WPA2/WPA2-PSK(TKIP,AES)/802.1X Authentication supported
- Support wireless AP/Client mode
- Provide 3x10/100/1000Base-T(X) Ethernet with M12 x-coding
- Supports LTE Modem dial up
- Support GPS connection
- Secured Management by HTTPs
- Various kind of WAN Connection Type supported: Dynamic/Static IP, PPPoE, Modem Dial Up
- IP table configurable to prevent access from unauthorized IP address
- Support VPN for secured network connection (Open VPN, PPTP VPN)
- > 1KV isolation for PoE P.D. port
- Support NAT Setting (Virtual Server, Port Trigger)
- Support DHCP forwarding through PPTP function
- Wireless connecting status monitoring
- Wifi multiple SSID supported
- Event Warning by Syslog, Email, SNMP Trap
- Wall mounting enabled

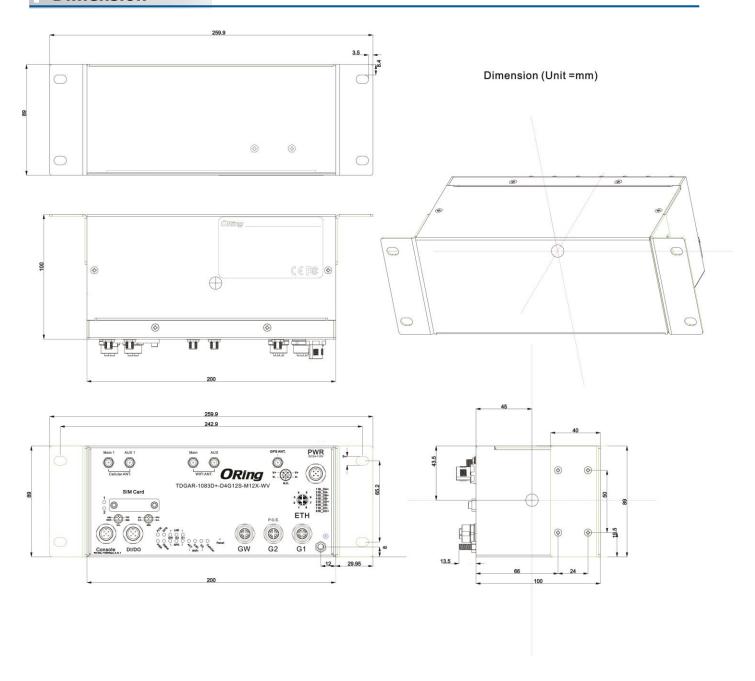




Introduction

ORing's Transporter™ series cellular router is designed for industrial and rolling stock wireless applications, such as vehicle, and railway applications. TDGAR-1083D+-D4G12S-M12X-WV is reliable wifi5 router with 3 ports Gigabit Ethernet which is fully compliant with EN50155 certification. It could be configured to operate in 3 modes of routing function: Dynamic/Static IP route, PPPoE authentication, and Cellular modem dial up. Users can set up WLAN environment to fulfill demands of various applications rapidly by dialing up cellular modem. TDGAR-1083D+-D4G12S-M12X-WV EN50155 cellular VPN router use M-series connectors to ensure tight, robust connections, and guarantee reliable operation against environmental disturbances, such as vibration and shock. In addition, TDGAR-1083D+-D4G12S-M12X-WV also provides P.D. feature which is fully compliant with IEEE802.3at PoE P.D. specification and TDGAR-1083D+-D4G12S-M12X-WV supports GPS function. Therefore, TDGAR-1083D+-D4G12S-M12X-WV is one of the most reliable choices for rolling stock applications on the wireless network.

Dimension



Pin Definition

1-2	PWR M12 port		4 5	10/100/1000Base-T(X) M12 port	
3 4	Pin No.	Description	3 6	Pin No.	Description
5	#1	V+	2 7	#1	BI_DA+
A-coding	#2	V+	1 8	#2	BI_DA-
Male	#3	V-	X-coding	#3	BI_DB+
	#4	V-	Female	#4	BI_DB-
	#5	N.C.		#5	BI_DD+
	C	Console M12 port		#6	BI_DD-
$\frac{1}{2}$	Pin No.	Description		#7	BI_DC-
	#1	RXD		#8	BI_DC+
5	#2	TXD			DI/DO M12 port
A-coding	#3	RSVD	$\begin{array}{c} 1 \\ 2 \\ 1 \\ 2 \\ 1 \\ 1 \\ 2 \\ 1 \\ 2 \\ 1 \\ 2 \\ 1 \\ 2 \\ 1 \\ 2 \\ 2$	Pin No.	Description
Female	#4	GND		#1	Digital Input
	#5	N.C.	5	#2	Digital Output
			A-coding	#3	N.C.
			Female	#4	N.C.
				#5	GND

Specifications

LTE Router Model TIDGAR-1083B+-D4G12S-M12X-WV				
LTE Router Model	ORing EN50155	TDGAR-1083D+-D4G12S-M12X-WV		
10/100/1000Base-T(X) Ports in M12 (8-pin X-coding female) Sim Card Slot Console Port in M12 (5-pin A-coding female) DIX 1, DO x 1 (DI :Logic level 1: 5V-30V, Logic level 0: 0V-2V DO :Maximum Voltage is 30V, Maximum Current is 20mA) Input Power Port in M12 (5-pin A-coding female) Input Power Port in M12 (5-pin A-coding female) Pose Prosent at Ethernet (G2) Fully compliant with IEEE 802.3at Power Device specification Over load & short circuit protection Isolation Voltage: 1000 VDC min. Isolation VDC min. Isolatio	LTE Router Model			
10/100/1000Base-T(X) Ports in M12 (S-pin X-coding female) Sim Card Slot 2 Console Port in M12 (S-pin A-coding female) 1	Dhysical Davis			
Sim Card Slot 2 2 2 2 2 2 2 2 2				
M12 (8-pin X-coding female) 2 2		1(WAN) + 2(LAN)		
Console Port in M12 (5-pin A-coding female)	M12 (8-pin X-coding female)			
Temale DI x 1, DO x 1 DI x 1, DO x	Sim Card Slot	2		
Female DI/DO Port in M12 (5-pin A-coding female) DI x 1, DO x 1 (DI :Logic level 1: 5V~30V, Logic level 0: 0V~2V DO :Maximum Voltage is 30V, Maximum Current is 20mA) Input Power Port in M12 (5-pin A-coding male) 1	Console Port in M12 (5-pin A-coding	1		
DI/DO Port in M12 (5-pin A-coding female)	female)			
Input Power Port in M12	DI/DO Port in M12 (5-pin A-coding	·		
Input Power Port in M12 (5-pin A-coding male) 1				
(S-pin A-coding male)	,	DO :Maximum Voltage is 30V, Maximum Current is 20mA)		
Present at Ethernet (G2)	·	1		
Fully compliant with IEEE 802.3at Power Device specification Over load & short circuit protection Isolation Voltage: 1000 VDC min. Isolation Resistance: 10 ⁸ ohms min Antenna connector WIFI 2 x RP-SMA female Cellular 4 x SMA female GPS 1 x SMA female Cold Start: 29s Hot Start: 29s Hot Start: 21s Tracking & Navigation: -160dBm Reacquisition: -160dBm Cold Start: -147dBm Cellular Interface Cellular Standard HSDPA / HSUPA / LTE / LTE + LTE: FDD: B1/B2/B3/B4/B5/B7/B8/B9/B12/B13/B18/B19/B20/B26/B28/B29/B30/B32/B66 TDD: B41/B41/B43/B46/B48/ UMTS/HSDPA/HSDPA / DC-HSPA+: 850/900/1700/1800/1900/2100 MHz WLAN interface IEEE 802.11a: OFDM	(5-pin A-coding male)	· ·		
PoE P.D Port		Present at Ethernet (G2)		
Isolation Voltage: 1000 VDC min. Isolation Resistance : 10 ⁸ ohms min		Fully compliant with IEEE 802.3at Power Device specification		
Isolation Resistance : 10 ⁸ ohms min	PoE P.D Port	Over load & short circuit protection		
### Antenna connector WIFI				
WIFI		Isolation Resistance : 10 ⁸ ohms min		
Cellular 4 x SMA female GPS 1 x SMA female GPS Interface Receiver Type 50 Channels	Antenna connector			
Cellular 4 x SMA female GPS 1 x SMA female GPS Interface Receiver Type 50 Channels	WIFI	2 x RP-SMA female		
Second				
So Channels So Channels GPS L1 frequency, C/A Code	Cellular	4 x SMA female		
So Channels GPS L1 frequency, C/A Code	GPS	1 x SMA female		
So Channels GPS L1 frequency, C/A Code	GPS Interface			
Cold Start: 29s Warm Start: 29s Hot Start: <1s		CO Channels		
Cold Start: 29s	Receiver Type			
Time-To-First-Fix				
Hot Start: <1s				
Tracking & Navigation: -160dBm Reacquisition: -160dBm Cold Start: -147dBm Cellular Interface Cellualr Standard	Time-To-First-Fix			
Reacquisition: -160dBm				
Cold Start: -147dBm Cellular Interface Cellualr Standard				
Cellular Interface Cellualr Standard HSDPA / HSUPA / LTE/ LTE+ LTE: FDD: B1/B2/B3/B4/B5/B7/B8/B9/B12/B13/B18/B19/B20/B26/B28/B29/B30/B32/B66 TDD: B41/B41/B43/B46/B48/ UMTS/HSDPA/HSUPA/HSPA+/DC-HSPA+: 850/900/1700/1800/1900/2100 MHz WLAN interface IEEE 802.11a: OFDM	Sensitivity			
Cellualr Standard HSDPA / HSUPA / LTE/ LTE+ LTE:		Cold Start: -14/dBm		
LTE:	Cellular Interface			
FDD:	Cellualr Standard	HSDPA / HSUPA / LTE/ LTE+		
B1/B2/B3/B4/B5/B7/B8/B9/B12/B13/B18/B19/B20/B26/B28/B29/B30/B32/B66 TDD: B41/B41/B43/B46/B48/ UMTS/HSDPA/HSUPA/HSPA+/DC-HSPA+: 850/900/1700/1800/1900/2100 MHz WLAN interface IEEE 802.11a: OFDM		LTE:		
Band Option TDD:		FDD:		
B41/B41/B43/B46/B48/ UMTS/HSDPA/HSUPA/HSPA+/DC-HSPA+: 850/900/1700/1800/1900/2100 MHz WLAN interface IEEE 802.11a: OFDM		B1/B2/B3/B4/B5/B7/B8/B9/B12/B13/B18/B19/B20/B26/B28/B29/B30/B32/B66		
UMTS/HSDPA/HSPA+/DC-HSPA+: 850/900/1700/1800/1900/2100 MHz WLAN interface IEEE 802.11a: OFDM	Band Option	TDD:		
850/900/1700/1800/1900/2100 MHz WLAN interface IEEE 802.11a: OFDM				
WLAN interface IEEE 802.11a: OFDM				
IEEE 802.11a: OFDM		850/900/1700/1800/1900/2100 MHz		
	WLAN interface			
TEEE 903 11h, CCV, DODCV, DDDCV		IEEE 802.11a: OFDM		
IEEE OUZ.IID: CCK, DQPSK, DBPSK		IEEE 802.11b: CCK, DQPSK, DBPSK		
Modulation IEEE 802.11g: OFDM	Modulation	IEEE 802.11g: OFDM		
IEEE 802.11n: BPSK, QPSK, 16-QAM, 64-QAM		IEEE 802.11n: BPSK, QPSK, 16-QAM, 64-QAM		
IEEE 802.11ac: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM		IEEE 802.11ac: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM		
America / FCC:		America / FCC:		
2.412~2.462 GHz		2.412~2.462 GHz		
5.180~5.240 GHz & 5.745~5.825 GHz	Frequency Band			
Europe CE / ETSI:		•		
2.412~2.472 GHz				
5.180~5.240 GHz				
IEEE 802.11b: 1/2/5.5/11 Mbps		• • • • • • • • • • • • • • • • • • • •		
IEEE 802.11a/g: 6/9/12/18/24/36/48/54 Mbps Transmission Rate	Transmission Rate			
IEEE 802.11n: UP to 300 Mbps				
IEEE 802.11ac: up to 867Mbps				
IEEE 802.11a: 12dBm ± 2dBm@54Mbps		IEEE 802.11a: 12dBm ± 2dBm@54Mbps		
Transmit Power IEEE 802.11b: 18dBm ± 2dBm@11Mbps IEEE 802.11g: 15dBm ± 2dBm@54Mbps	Transmit Power			

	IEEE 802.11gn HT20: 14dBm ± 2dBm @MCS7	
	IEEE 802.11gn HT40: 14dBm ± 2dBm @MCS7 IEEE 802.11an HT20: 11dBm ± 2dBm @MCS7	
	IEEE 802.11an HT40: 10dBm ± 2dBm @MCS7	
	IEEE 802.11ac VHT80: 7dBm ± 2dBm @MCS9	
	IEEE 802.11a : -71dBm ± 2dBm@54Mbps	
	IEEE 802.11b : -86dBm ± 2dBm@11Mbps IEEE 802.11g : -72dBm ± 2dBm@54Mbps	
	IEEE 802.11gn HT20:-68dBm ± 2dBm@MCS7	
Receiver Sensitivity	IEEE 802.11gn HT40:-66dBm ± 2dBm@MCS7	
	IEEE 802.11an HT20:-68dBm ± 2dBm@MCS7	
	IEEE 802.11an HT40:-67dBm ± 2dBm@MCS7	
IEEE 802.11ac VHT80:-57dBm ± 2dBm@MCS9 WEP: (64-bit ,128-bit key supported)		
	WPA/WPA2 :802.11i(WEP and AES encryption)	
Encryption Security	WPA-PSK (256-bit key pre-shared key supported)	
	802.1X Authentication supported	
	TKIP encryption	
Wireless Security	SSID broadcast disable	
Protocol Support		
Protocol	ARP,BOOTP, DHCP, DNS, HTTP, IP, ICMP, SNTP, TCP, UDP, RADIUS, SNMP, PPPoE, STP (IEEE 802.1D)	
LED Indicators		
PWR	1 x LED, Green for DC Power in	
POE	1 x LED, Green for POE Power in	
. 02	6 x LEDs,	
Ethernet Port Indicator	LNK: Green for port Link/AcT.	
	SPD: Green On for 1000/100Base-T(X) link; Green Off for 10Base link	
GPS LED	1 x LED, Green on for GPS on, slow blink for connection Act	
	3 x LEDs,	
WLAN(Wifi) LED	1 x LED, Green On: RF on, Blink: data transmitting	
,	1 x LED, Green for WLAN work on 2.4GHz	
	4 150 0 6 144 141 1 504	
Calledar LED	1 x LED, Green for WLAN work on 5GHz	
Cellular LED	1 x LED, Green slow blink for work normal,	
SIM LED	1 x LED, Green slow blink for work normal, 2 x LED, Green in used	
SIM LED Status Indicator	1 x LED, Green slow blink for work normal,	
SIM LED Status Indicator Power	1 x LED, Green slow blink for work normal, 2 x LED, Green in used 1 x LED, Green slow blink for normal, off for system halt	
SIM LED Status Indicator	1 x LED, Green slow blink for work normal, 2 x LED, Green in used	
SIM LED Status Indicator Power	1 x LED, Green slow blink for work normal, 2 x LED, Green in used 1 x LED, Green slow blink for normal, off for system halt	
SIM LED Status Indicator Power Input Power	1 x LED, Green slow blink for work normal, 2 x LED, Green in used 1 x LED, Green slow blink for normal, off for system halt 24 ~ 110Vdc	
SIM LED Status Indicator Power Input Power Isolation	1 x LED, Green slow blink for work normal, 2 x LED, Green in used 1 x LED, Green slow blink for normal, off for system halt 24 ~ 110Vdc DC 2KV/ AC 1.5KV	
SIM LED Status Indicator Power Input Power Isolation Power Consumption (Typ.)	1 x LED, Green slow blink for work normal, 2 x LED, Green in used 1 x LED, Green slow blink for normal, off for system halt 24 ~ 110Vdc DC 2KV/ AC 1.5KV 20 watts Max.	
SIM LED Status Indicator Power Input Power Isolation Power Consumption (Typ.) Overload Current Protection	1 x LED, Green slow blink for work normal, 2 x LED, Green in used 1 x LED, Green slow blink for normal, off for system halt 24 ~ 110Vdc DC 2KV/ AC 1.5KV 20 watts Max. Present	
SIM LED Status Indicator Power Input Power Isolation Power Consumption (Typ.) Overload Current Protection Reverse Polarity Protection	1 x LED, Green slow blink for work normal, 2 x LED, Green in used 1 x LED, Green slow blink for normal, off for system halt 24 ~ 110Vdc DC 2KV/ AC 1.5KV 20 watts Max. Present	
SIM LED Status Indicator Power Input Power Isolation Power Consumption (Typ.) Overload Current Protection Reverse Polarity Protection Physical Characteristic	1 x LED, Green slow blink for work normal, 2 x LED, Green in used 1 x LED, Green slow blink for normal, off for system halt 24 ~ 110Vdc DC 2KV/ AC 1.5KV 20 watts Max. Present Present	
SIM LED Status Indicator Power Input Power Isolation Power Consumption (Typ.) Overload Current Protection Reverse Polarity Protection Physical Characteristic Enclosure Dimension (W x D x H)	1 x LED, Green slow blink for work normal, 2 x LED, Green in used 1 x LED, Green slow blink for normal, off for system halt 24 ~ 110Vdc DC 2KV/ AC 1.5KV 20 watts Max. Present Present IP-30 200(W) x 100(D) x 89(H) mm	
SIM LED Status Indicator Power Input Power Isolation Power Consumption (Typ.) Overload Current Protection Reverse Polarity Protection Physical Characteristic Enclosure Dimension (W x D x H) Weight (g)	1 x LED, Green slow blink for work normal, 2 x LED, Green in used 1 x LED, Green slow blink for normal, off for system halt 24 ~ 110Vdc DC 2KV/ AC 1.5KV 20 watts Max. Present Present	
SIM LED Status Indicator Power Input Power Isolation Power Consumption (Typ.) Overload Current Protection Reverse Polarity Protection Physical Characteristic Enclosure Dimension (W x D x H) Weight (g) Environmental	1 x LED, Green slow blink for work normal, 2 x LED, Green in used 1 x LED, Green slow blink for normal, off for system halt 24 ~ 110Vdc DC 2KV/ AC 1.5KV 20 watts Max. Present Present IP-30 200(W) x 100(D) x 89(H) mm < 2Kg	
SIM LED Status Indicator Power Input Power Isolation Power Consumption (Typ.) Overload Current Protection Reverse Polarity Protection Physical Characteristic Enclosure Dimension (W x D x H) Weight (g) Environmental Storage Temperature	1 x LED, Green slow blink for work normal, 2 x LED, Green in used 1 x LED, Green slow blink for normal, off for system halt 24 ~ 110Vdc DC 2KV/ AC 1.5KV 20 watts Max. Present Present IP-30 200(W) x 100(D) x 89(H) mm <2Kg -40 to 85°C (-40 to 185°F)	
SIM LED Status Indicator Power Input Power Isolation Power Consumption (Typ.) Overload Current Protection Reverse Polarity Protection Physical Characteristic Enclosure Dimension (W x D x H) Weight (g) Environmental Storage Temperature Operating Temperature	1 x LED, Green slow blink for work normal, 2 x LED, Green in used 1 x LED, Green slow blink for normal, off for system halt 24 ~ 110Vdc DC 2KV/ AC 1.5KV 20 watts Max. Present Present 1P-30 200(W) x 100(D) x 89(H) mm <2Kg -40 to 85°C (-40 to 185°F) -25 to 70°C (-13 to 158°F)	
SIM LED Status Indicator Power Input Power Isolation Power Consumption (Typ.) Overload Current Protection Reverse Polarity Protection Physical Characteristic Enclosure Dimension (W x D x H) Weight (g) Environmental Storage Temperature Operating Temperature Operating Humidity	1 x LED, Green slow blink for work normal, 2 x LED, Green in used 1 x LED, Green slow blink for normal, off for system halt 24 ~ 110Vdc DC 2KV/ AC 1.5KV 20 watts Max. Present Present IP-30 200(W) x 100(D) x 89(H) mm <2Kg -40 to 85°C (-40 to 185°F)	
SIM LED Status Indicator Power Input Power Isolation Power Consumption (Typ.) Overload Current Protection Reverse Polarity Protection Physical Characteristic Enclosure Dimension (W x D x H) Weight (g) Environmental Storage Temperature Operating Temperature Operating Humidity Regulatory Approvals	1 x LED, Green slow blink for work normal, 2 x LED, Green in used 1 x LED, Green slow blink for normal, off for system halt 24 ~ 110Vdc DC 2KV/ AC 1.5KV 20 watts Max. Present Present IP-30 200(W) x 100(D) x 89(H) mm <2Kg -40 to 85°C (-40 to 185°F) -25 to 70°C (-13 to 158°F) 5% to 95% Non-condensing	
SIM LED Status Indicator Power Input Power Isolation Power Consumption (Typ.) Overload Current Protection Reverse Polarity Protection Physical Characteristic Enclosure Dimension (W x D x H) Weight (g) Environmental Storage Temperature Operating Temperature Operating Humidity	1 x LED, Green slow blink for work normal, 2 x LED, Green in used 1 x LED, Green slow blink for normal, off for system halt 24 ~ 110Vdc DC 2KV/ AC 1.5KV 20 watts Max. Present Present IP-30 200(W) x 100(D) x 89(H) mm <2Kg -40 to 85°C (-40 to 185°F) -25 to 70°C (-13 to 158°F) 5% to 95% Non-condensing FCC Part 15, CISPR (EN55022) class A, EN50155 (EN50121-3-2, EN55011, EN50121-4)	
SIM LED Status Indicator Power Input Power Isolation Power Consumption (Typ.) Overload Current Protection Reverse Polarity Protection Physical Characteristic Enclosure Dimension (W x D x H) Weight (g) Environmental Storage Temperature Operating Temperature Operating Humidity Regulatory Approvals	1 x LED, Green slow blink for work normal, 2 x LED, Green in used 1 x LED, Green slow blink for normal, off for system halt 24 ~ 110Vdc DC 2KV/ AC 1.5KV 20 watts Max. Present Present IP-30 200(W) x 100(D) x 89(H) mm <2Kg -40 to 85°C (-40 to 185°F) -25 to 70°C (-13 to 158°F) 5% to 95% Non-condensing FCC Part 15, CISPR (EN55022) class A, EN50155 (EN50121-3-2, EN55011, EN50121-4) EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS),	
SIM LED Status Indicator Power Input Power Isolation Power Consumption (Typ.) Overload Current Protection Reverse Polarity Protection Physical Characteristic Enclosure Dimension (W x D x H) Weight (g) Environmental Storage Temperature Operating Temperature Operating Humidity Regulatory Approvals EMI EMS	1 x LED, Green slow blink for work normal, 2 x LED, Green in used 1 x LED, Green slow blink for normal, off for system halt 24 ~ 110Vdc DC 2KV/ AC 1.5KV 20 watts Max. Present Present IP-30 200(W) x 100(D) x 89(H) mm <2Kg -40 to 85°C (-40 to 185°F) -25 to 70°C (-13 to 158°F) 5% to 95% Non-condensing FCC Part 15, CISPR (EN55022) class A, EN50155 (EN50121-3-2, EN55011, EN50121-4) 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	
SIM LED Status Indicator Power Input Power Isolation Power Consumption (Typ.) Overload Current Protection Reverse Polarity Protection Physical Characteristic Enclosure Dimension (W x D x H) Weight (g) Environmental Storage Temperature Operating Temperature Operating Humidity Regulatory Approvals EMI EMS Shock	1 x LED, Green slow blink for work normal, 2 x LED, Green in used 1 x LED, Green slow blink for normal, off for system halt 24 ~ 110Vdc DC 2KV/ AC 1.5KV 20 watts Max. Present Present IP-30 200(W) x 100(D) x 89(H) mm <2Kg -40 to 85°C (-40 to 185°F) -25 to 70°C (-13 to 158°F) 5% to 95% Non-condensing FCC Part 15, CISPR (EN55022) class A, EN50155 (EN50121-3-2, EN55011, EN50121-4) 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 IEC60068-2-27, EN61373	
SIM LED Status Indicator Power Input Power Isolation Power Consumption (Typ.) Overload Current Protection Reverse Polarity Protection Physical Characteristic Enclosure Dimension (W x D x H) Weight (g) Environmental Storage Temperature Operating Temperature Operating Humidity Regulatory Approvals EMS	1 x LED, Green slow blink for work normal, 2 x LED, Green in used 1 x LED, Green slow blink for normal, off for system halt 24 ~ 110Vdc DC 2KV/ AC 1.5KV 20 watts Max. Present Present IP-30 200(W) x 100(D) x 89(H) mm <2Kg -40 to 85°C (-40 to 185°F) -25 to 70°C (-13 to 158°F) 5% to 95% Non-condensing FCC Part 15, CISPR (EN55022) class A, EN50155 (EN50121-3-2, EN55011, EN50121-4) 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	

Warranty	5 years
Safety	EN60950-1
Dry Heat	EN60068-2-2
Cooling	EN60068-2-1
Rail Traffic	EN50155

Ordering Information

	Model Name	Description	
Available Model	TDGAR-1083D+-D4G12S-M12X-WV EU	Industrial EN50155 802.11 ac/g/n 4G Cellular GPS Router with	
	1DGAN-1003D4-D4G12G-W12X-WV_E0	3x10/100/1000Base-T(X), 1-port PoE P.D, M12 Connector, US band	
	TDGAR-1083D+-D4G12S-M12X-WV US	Industrial EN50155 802.11 ac/g/n 4G Cellular GPS Router with	
	1DGAN-1003DT-D4G123-W12X-WV_03	3x10/100/1000Base-T(X), 1-port PoE P.D, M12 Connector, EU band	

Packing List

- TDGAR-1083D+-D4G12GS-M12X-WV x 1
- CD QRcode x 1
- Quick Installation Guide x 1

Wall-Mount Kit x 2