

Teleterm D3 RTU with Ethernet/Radio/GSM and 8 universal I/O



DATASHEET

- 8 software configurable inputs/outputs.
- 85-264Vac or 9-30Vdc power with battery backup
- Integrated radio or GSM modem
- Local display of user selectable parameters
- Monitor and control from any web browser.
- Compatible with the Data2Desktop web service.
- ISaGRAF 61131-3 ready (add option)
- 4 hour integrated battery backup
- 1 microLAN sensor bus

Features

- 2 serial ports (RS232/485) + Ethernet
- Up to 32 microLAN (1-wire bus) sensors microSD
- Memory Card slot for data-logging

Overview

The Teleterm D3 is a state-of-the-art programmable Remote Terminal Unit (RTU) designed for remote monitoring and control applications using the Data2Desktop web based service.

The Teleterm D3 comes with 8 universal Inputs/Outputs that can be configured to be analogue inputs, digital inputs or digital outputs.

Communications options include GSM, 3G UMTS, CDMA, licence-free Radio in a number frequency bands, Conet Industrial LAN for use over existing plant cabling, and RS232 and RS485 serial.

Programmable

By integrating the optional ISaGRAF IEC61131 PLC programming engine, local control can be implemented within the RTU, making cost effective remote monitoring and control solutions. (Order CC030A-URTT separately to activate IEC61131 programming).

Two Serial Ports

Two on board serial ports can be used to send and receive data from third party devices using the Modbus protocol. For example, one port can be used to interface to a local HMI (touch screen) for local control and monitoring, and the second port can be used to communicate with a pump controller or variable speed drive. By downloading a custom





- Integral Real-Time Clock
- Wide temperature range for outdoor applications
- Standard 9 module DIN 43880 size

software protocol "plug-in" other third party devices can also be connected for remote monitoring or control.

microSD Card Slot

The Teleterm D3 also accepts a plugin microSD memory card to support local data logging.

Ethernet Port

The Teleterm D3 has a 10/100 Ethernet Port (RJ45) for further integration with other devices over Modbus/TCP.

microLAN (1-wire) sensor bus

A microLAN sensor bus is incorporated to directly access temperature and humidity sensors for cost effective refrigeration and environmental monitoring applications.

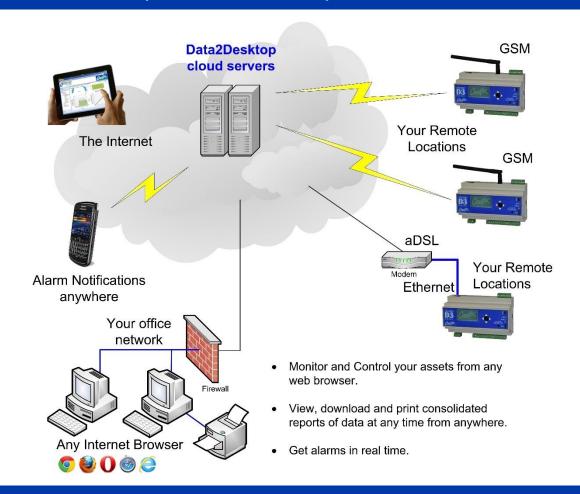
Typical Applications

- Remote Pump Start/Stop Control
- Environmental Monitoring
- Remote Tank Level Monitoring
- Remote Meter Reading
- Temperature Monitoring
- Water Flow and Quality monitoring
- Computer Room Monitoring
- Cathodic Protection System Monitoring

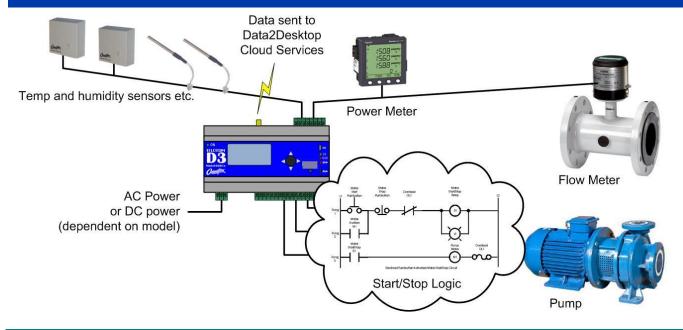




Easily monitor and control your remote assets



Typical Application – Pump Control



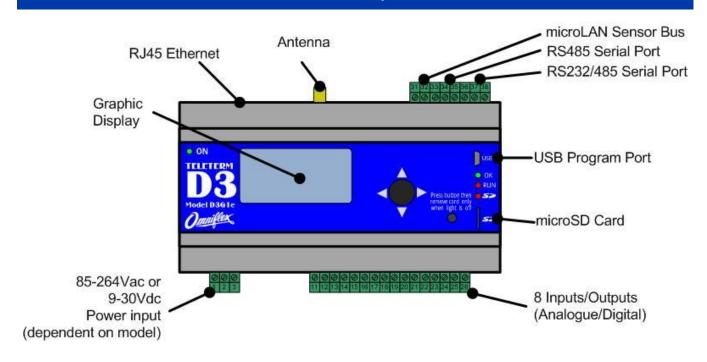




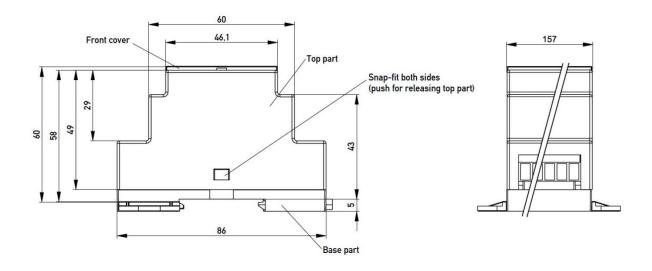
C2395A

Teleterm D3 RTU with Ethernet/Radio/GSM and 8 universal I/O

General Layout



Mechanical Dimensions







Teleterm D3 Remote Terminal Unit Teleterm D3 RTU with Ethernet/Radio/GSM and 8 universal I/O

Communication Functions by Model

Product Name	Order Code	10/100 Ethernet	RS485 Port	RS232/ RS485 Port	4G LTE Port	5G Cat M1 /NB2	2.4.GHz 63mW Radio	169MHz 500mW Radio	433MHz 500mW Radio	464MHz 500mW Radio	868MHz 8mW Radio	868MHz 500mW Radio	920MHz 20mW Radio	920MHz 1W Radio
D3e	C2395A-X-0	✓	/	✓										
D3G4	C2395A-X-14x	✓	✓	✓	✓									
D3G5	C2395A-X-15x	✓	✓	✓		/								
D3R1	C2395A-X-301	✓	✓	✓			/							
D3R2	C2395A-X-302	✓	✓	✓							/			
D3R5	C2395A-X-305	✓	\	/										/
D3R6	C2395A-X-306	✓	\	/								✓		
D3R7	C2395A-X-307	✓	\	/				✓						
D3R8	C2395A-X-308	/	\	/					/					
D3R9	C2395A-X-309	✓	✓	✓						✓				
D3R10	C2395A-X-310	✓	✓	✓									✓	

NOTES:

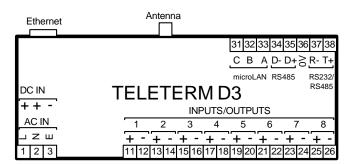
- 1. The D3G versions are available in multiple options to conform to different GSM based country networks. Please ensure that the correct unit is specified for your application.
- 2. The D3R versions are available in several radio band options to comply with different country regulations. Please ensure that the correct unit is specified for your application.
- 3. 2.4GHz Band is suitable for all countries short range only.
- 4. 868MHz Band is suitable for use in Europe, Middle East and Africa (Check for specific country application).
- 5. 920MHz Band is suitable for use in USA, Australia and New Zealand.
- 6. X indicates Power Supply Options: X=1 for 85-264Vac or X=2 for 9-30Vdc; see ordering options.

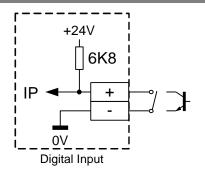


Inputs and Outputs

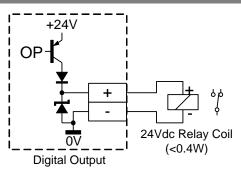
The Teleterm D3 is equipped with 8 versatile discrete input/output points (I/O points or IOP's). Each I/O point can be individually configured to one of the following types:

TYPE	DESCRIPTION
Digital Input	On/Off signals from other equipment
Counter Input	Pulses from pulse meters
Hours Counter Input	Counts hours when the input contact is closed
Digital Output	Drives an external relay for remote control
Analogue Input	Voltage input signals in the range 0-30Vdc

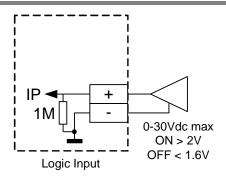




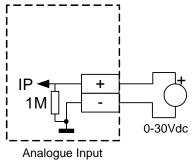
DIGITAL/PULSE INPUTS (Volt-free Contact or NPN Transistor)



DIGITAL OUTPUTS (With external relay)



DIGITAL/PULSE INPUTS (Logic Voltage Input)



ANALOG INPUTS (Voltage)



Model Number

Teleterm D3 RTU with Ethernet/Radio/GSM and 8 universal I/O

Specifications

Inputs and Outputs

The D3 module has 8 Input/Output Points (IOP) configurable in software as digital inputs, digital outputs or analogue inputs.

As Digital/Pulse I	nput for volt free contacts or NPN
Туре	Volt free Switch (Switch to 0V to operate)
Input Impedance	6.8 kohms nominal.
Open cct. voltage	28Vdc maximum
Closed cct. current	3.5mA nominal
I/P OFF Condition	Input < 1.6Vdc
Input ON Condition	Input > 2Vdc
Functions (Software Selectable)	ON/OFF Input Counter (counts rising/falling edge pulses) Hours (counts hours while on (0.01 hrs)

As Digital/Pulse	Input for I	ogic or	voltage source

is Digital/Pulse i	riput for logic of voltage source
Functions (Software Selectable)	ON/OFF Input Counter (counts rising/falling edge pulses) Hours (counts hours while input is on to resolution of 0.01 hours).
Type	Externally applied voltage
Input Impedance	1Megaohm nominal.
I/D OFF Condition	Input < 1.6Vdc

Input ON Condition	Input > 2Vdc (30V max).
As Digital Output	
Туре	Voltage Source (Solid State Switch to +V)
ON State Rated Current	< 50mA continuous maximum per output < 100mA peak (<10ms) max, per output < 115mA total for all outputs simultaneously (e.g. drives 8 x Finder 34-series 24V relays)
ON State Voltage	20.4V < V _{out} < 27.6V
OFF State Current	< 0.1mA at maximum supply voltage
Functions	Software selectable as: ON/OFF ON Pulse (configurable 10ms – 300s) OFF Pulse (configurable 10ms = 300s)
As Analogue Inpu	ıt
Туре	Voltage Input referenced to 0V supply.
Range	0-30Vdc (software configurable to smaller ranges such as 1-5Volts)
Accuracy	< 0.15% of reading +8mV

Resolution 8mV (12 bits)

General Specifications

Power Requirements A	AC Version (C2395A-1-X)
AC input voltage range	85-264Vac
AC input frequency	47-63 Hz
Input current at full load	<0.1A rms
Switch-on inrush current	2A for <10ms (10A for < 1ms)
Surge withstand	2kV 1.2/50 us pulse (line to earth)
Power Requirements I	DC Version (C2395A-2-X)
DC input voltage range	9-30Vdc
Input current at full load	<0.33A
IEC61131-3 Programn	ning (Optional)
Six graphical Languages	SFC – Structured Flow Chart FC – Flow Chart FBD – Function Block LD – Ladder Diagram ST – Structured Text IL – Instruction List
Programming Environment	Windows PC based "Omniflex ISaGRAF Application Workbench"
Battery Backup	
Туре	Internal Li-Ion battery
Behaviour	Keeps unit fully functional during power failures while battery lasts.
Operating time	4 hrs typical
Real Time Clock	
Resolution	10ms

Accuracy	1 min per month
Clock Battery Life	> 12h (using D3 internal battery)
Clock backup	>1h (when servicing battery)
Plugin Memory Card	
Туре	microSD Memory Card (11mm x 15mm x 1mm)
Storage Capacity	SD Memory Card dependent: 2 to 32Gb supported
Card Format	PC Compatible FAT32 File Format
Data Format	CSV File Format compatible with Microsoft Excel etc.
Environmental Condit	ons
Storage Temperature	-25°C - 60 °C (-13°F - 140°F)
Operating Temperature	-10°C - 50 °C (+14°F - 122°F)
Compliance with Stan	dards
Safety	EN 60950:2000
Emissions	EN 55011 Group I, Class A
Immunity - ESD	IEC 61000-4-2:2001, level 3
Immunity – RF Fields	IEC 61000-4-3:2003, level 3
Immunity – Fast Transients	IEC 61000-4-4:2004 1 kV – input/output lines
Weight	
Unpacked	350g approx.
Packed	550g approx.





Model Number C2395A

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Communication Ports - General (on all variations)

Serial Ports (S1 an	d S2)
Туре	2-wire RS485 or RS232 (Port 1) 2-wire RS485 (Port 2)
Baud Rate	300 - 38,400 baud.
Maximum Cable length	1200m (4000ft) in RS485 mode 15m (50ft) in RS232 mode (Port 1)
Connection	screw terminals
Protocols Supported	 Modbus ASCII (master or slave) Modbus RTU (master or slave). Modbus/TCP (master or slave). Conet/s Other protocols may be downloaded.

Ethernet Port	
Туре	10/100 UTP Ethernet (RJ45)
Network Protocols	UDP/IP, TCP/IP
IP Addressing	Fixed IP set during configuration
Data Protocols	Modbus/TCP Class 0 Conet/e HTTP Client for D2D server access
microLAN Network	: Port
Туре	1-wire Dallas bus
Operating voltage	5V (with short circuit protection)
Output capacity	12 microLAN sensors max.

Communication Ports - Internal Licence Free Radio (on D3R versions only)

2.4GHz 63mW Rad	io (Model C2395A-X-301)
Operating Band	ISM 2.4GHz
Regions	International Use
Licence Requirement	None (licence-free ISM band)
Transmit Power	63mW (+18dBm)
Receiver Sensitivity	-100dBm typical
Modulation	DSSS FSK
Data Rate	9600 bits per second 10% duty cycle
Number of Channels	12 Direct Sequence Channels
Outdoor Range	Urban: 90m Line -of-Sight:1km
Network topologies	Master/slave Peer-to-peer point-to-point (all with repeater capability)
Antenna	External via RPSMA Connector
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868MHz 10mW Ra	dio (Model C2395A-X-302)
Operating Band	dio (Model C2395A-X-302) 869.4 – 869.65 MHz
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Operating Band	869.4 - 869.65 MHz
Operating Band Regions	869.4 – 869.65 MHz Europe, Middle East, Africa (EMEA)
Operating Band Regions Licence Requirement	869.4 – 869.65 MHz Europe, Middle East, Africa (EMEA) None (licence-free ISM band)
Operating Band Regions Licence Requirement Transmit Power	869.4 – 869.65 MHz Europe, Middle East, Africa (EMEA) None (licence-free ISM band) 10mW (+10dBm) -109dBm typical FSK
Operating Band Regions Licence Requirement Transmit Power Receiver Sensitivity	869.4 – 869.65 MHz Europe, Middle East, Africa (EMEA) None (licence-free ISM band) 10mW (+10dBm) -109dBm typical
Operating Band Regions Licence Requirement Transmit Power Receiver Sensitivity Modulation	869.4 – 869.65 MHz Europe, Middle East, Africa (EMEA) None (licence-free ISM band) 10mW (+10dBm) -109dBm typical FSK 1,200 to 19,200 bits per second
Operating Band Regions Licence Requirement Transmit Power Receiver Sensitivity Modulation Data Rate	869.4 – 869.65 MHz Europe, Middle East, Africa (EMEA) None (licence-free ISM band) 10mW (+10dBm) -109dBm typical FSK 1,200 to 19,200 bits per second 10% duty cycle (Listen Before Talk)
Operating Band Regions Licence Requirement Transmit Power Receiver Sensitivity Modulation Data Rate Number of Channels	869.4 – 869.65 MHz Europe, Middle East, Africa (EMEA) None (licence-free ISM band) 10mW (+10dBm) -109dBm typical FSK 1,200 to 19,200 bits per second 10% duty cycle (Listen Before Talk) 3 Channels Up to 3 km with dipole

320	Radio (Model C2395A-X-304)
Not recomm	ended for new designs (use -305)
Operating Band	ISM 915 - 928 MHz
Regions	USA, Australia and New Zealand
Licence Requirement	None (licence-free ISM band)
Transmit Power	500mW (+27dBm)
Receiver Sensitivity	-100dBm typical
Modulation	DSSS FSK
Data Rate	9600 bits per second 10% duty cycle
Number of Channels	12 Direct Sequence Channels
Outdoor Range	Urban: 90m Line -of-Sight:1km
Network topologies	Master/slave Peer-to-peer point-to-point (all with repeater capability)
Antenna	External via RPSMA Connector
920MHz 1mW-1W	Radio (Model C2395A-X-305)
32011112 111111	
Operating Band	ISM 915 – 928 MHz
Operating Band	ISM 915 - 928 MHz
Operating Band Regions	ISM 915 – 928 MHz USA, Australia and New Zealand
Operating Band Regions Licence Requirement	ISM 915 – 928 MHz USA, Australia and New Zealand None (licence-free ISM band)
Operating Band Regions Licence Requirement Transmit Power	ISM 915 – 928 MHz USA, Australia and New Zealand None (licence-free ISM band) Selectable up to 1W (+30dBm) Low data rate: -113dBm Med data rate: -106dBm
Operating Band Regions Licence Requirement Transmit Power Receiver Sensitivity	ISM 915 – 928 MHz USA, Australia and New Zealand None (licence-free ISM band) Selectable up to 1W (+30dBm) Low data rate: -113dBm Med data rate: -106dBm High data rate: -103 dBm
Operating Band Regions Licence Requirement Transmit Power Receiver Sensitivity Modulation	ISM 915 – 928 MHz USA, Australia and New Zealand None (licence-free ISM band) Selectable up to 1W (+30dBm) Low data rate: -113dBm Med data rate: -106dBm High data rate: -103 dBm FHSS GFSK Low data rate: 10 kb/s Middle data rate: 110 kb/s
Operating Band Regions Licence Requirement Transmit Power Receiver Sensitivity Modulation RF Data Rate	ISM 915 – 928 MHz USA, Australia and New Zealand None (licence-free ISM band) Selectable up to 1W (+30dBm) Low data rate: -113dBm Med data rate: -106dBm High data rate: -103 dBm FHSS GFSK Low data rate: 10 kb/s Middle data rate: 110 kb/s High data rate: 250 kb/s
Operating Band Regions Licence Requirement Transmit Power Receiver Sensitivity Modulation RF Data Rate Data throughput	ISM 915 – 928 MHz USA, Australia and New Zealand None (licence-free ISM band) Selectable up to 1W (+30dBm) Low data rate: -113dBm Med data rate: -106dBm High data rate: -103 dBm FHSS GFSK Low data rate: 10 kb/s Middle data rate: 110 kb/s High data rate: 250 kb/s 120kb/s on high data rate





Model Number C2395A

Teleterm D3 RTU with Ethernet/Radio/GSM and 8 universal I/O

Network topologies	Master/slave Peer-to-peer	Number of Channels	Up to 10 Channels (depending upon baud rate)
	point-to-point (all with repeater capability)	Outdoor Range	Up to 20 km with dipole Up to 40 km with 6dB gain antenna
Antenna	External via RPSMA Connector	Network topologies	Master/slave
868MHz 500mW F	Radio (Model C2395A-X-306)		Peer-to-peer
Operating Band	868 - 870 MHz		point-to-point (all with repeater capability)
Regions	Europe, Middle East, Africa (EMEA), India	Antenna	External via RPSMA Connector
Licence Requirement	None (licence-free ISM band)		Radio (Model C2395A-X-309)
Transmit Power	500mW (+27dBm)		169 MHz
Receiver Sensitivity	-109dBm typical	Operating Band Regions	Europe, CE
Modulation	FSK	3	None (licence-free ISM band)
Data Rate	1,200 to 19,200 bits per second	Licence Requirement Transmit Power	500mW (+27dBm)
	10% duty cycle (Listen Before Talk)	Receiver Sensitivity	-109dBm typical
Number of Channels	Up to 10 Channels (depending upon baud rate)	Modulation	FSK
Outdoor Range	Up to 20 km with dipole	Data Rate	1,200 to 19,200 bits per second
Outdoor Hange	Up to 40 km with 6dB gain antenna	Number of Channels	Up to 10 Channels
Network topologies	Master/slave	Number of Chamileis	(depending upon baud rate)
	Peer-to-peer	Outdoor Range	Up to 20 km with dipole
	point-to-point (all with repeater capability)		Up to 40 km with 6dB gain antenna
Antenna	External via RPSMA Connector	Network topologies	Master/slave
464MHz 500mW F	Radio (Model C2395A-X-307)		Peer-to-peer point-to-point
Operating Band	463.975-464.375MHz		(all with repeater capability)
Regions	UK/IRL/ZA	Antenna	External via RPSMA Connector
Licence Requirement	None (licence-free ISM band)	920MHz 1mW-1W	Radio (Model C2395A-X-310)
Transmit Power	500mW (+27dBm)	Operating Band	ISM 915 - 928 MHz
Receiver Sensitivity	-109dBm typical	Regions	USA, Australia and New Zealand
Modulation	FSK	Licence Requirement	None (licence-free ISM band)
Data Rate	1,200 to 19,200 bits per second	Transmit Power	Selectable up to 20mW (+13dBm)
Number of Channels	5 Channels	Receiver Sensitivity	Low data rate: -113dBm
Outdoor Range	Up to 20 km with dipole		Med data rate: -106dBm
	Up to 40 km with 6dB gain antenna	NA . J. J. Al.	High data rate: -103 dBm
Network topologies	Master/slave	Modulation	FHSS GFSK
	Peer-to-peer	RF Data Rate	Low data rate: 10 kb/s Middle data rate: 110 kb/s
	point-to-point (all with repeater capability)		High data rate: 250 kb/s
Antenna	External via RPSMA Connector	Data Rate	120kb/s on high data rate
	Radio (Model C2395A-X-308)	Number of Channels	10 hopping sequences share 50 freq.'s
Operating Band	433-434MHz	Outdoor Range	Rural: 10km (low data rate)
Regions	NORDIC/EU/CE	(line-of-sight)	Urban: 2.5km (low data rate)
Licence Requirement	None (licence-free ISM band)	Michael de la constanción de	indoor:100m (low data rate)
Transmit Power	500mW (+27dBm)	Network topologies	Master/slave Peer-to-peer
Receiver Sensitivity	-109dBm typical		point-to-point
Modulation	FSK		(all with repeater capability)
Data Rate	1,200 to 19,200 bits per second	Antenna	External via RPSMA Connector
Data Hate	1,200 to 19,200 bits per second		







Model Number C2395A

Teleterm D3 RTU with Ethernet/Radio/GSM and 8 universal I/O

Communication Ports - Internal GSM Modem (on D3G versions only)

4G/LTE Network Port EU (Model C2395A-X-141)				
Region/Operator	EMEA/Thailand			
Туре	LTE Cat 1 mobile network			
Network Bands	LTE-FDD: B1/B3/B7/B8/B20/B28A WCDMA: B1/B8 GSM/EDGE: B3/B8			
Regulatory Approvals	Global: GCF Europe: CE Taiwan (China): NCC Australia/New Zealand: RCM			
SIM Card	3Volt Standard SIM			
Antenna	External via SMA connector.			
4G/LTE Network Port AU (Model C2395A-X-142)				
	,			
Region/Operator	Latin America/Australia/New Zealand			
Region/Operator	Latin America/Australia/New Zealand			
Region/Operator Type	Latin America/Australia/New Zealand LTE Cat 1 mobile network LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B28 LTE-TDD: B40 WCDMA: B1/B2/B5/B8			
Region/Operator Type Network Bands Regulatory	Latin America/Australia/New Zealand LTE Cat 1 mobile network LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B28 LTE-TDD: B40 WCDMA: B1/B2/B5/B8 GSM/EDGE: B2/B3/B5/B8 North America: FCC Canada: IC Brazil: Anatel Taiwan (China): NCC Japan: JATE/TELEC			

4G/LTE Network P	ort EU (Model C2395A-X-143)
Region/Operator	North America: AT&T/T-Mobile/ U.S. Cellular Canada: Rogers/Telus
Туре	LTE Cat 1 mobile network
Network Bands	LTE-FDD: B2/B4/B12 WCDMA: B2/B4/B5
Regulatory Approvals	North America: FCC/PTCRB Canada: IC
SIM Card	3Volt Standard SIM
Antenna	External via SMA connector.
4G/LTE Network P	ort EU (Model C2395A-X-144)
Region/Operator	North America: Verizon
Туре	LTE Cat 1 mobile network
Network Bands	LTE-FDD: B4/B13
Regulatory Approvals	Global: GCF North America: FCC
SIM Card	3Volt Standard SIM
Antenna	External via SMA connector.
5G/LTE-M Network	Port (Model C2395A-X-151)
Region/Operator	Multi-Region
Туре	LTE Cat M1/NB2 mobile network
Network Bands	B1, B2, B3, B4, B5, B8, B12, B13, B18, B19, B20, B25, B26, B28, B66, B71, B85
SIM Card	3Volt nano SIM
Approvals	FCC, ISED, GCF, PTCRB, Verizon, AT&T, US Cell, T-Mobile, Telus, Rogers 3, RED, Vodafone 3, Deutsche Telekom 3, KCC 3, SKT 3, Giteki, Softbank 3, KDDI 3, RCM, Telstra, ICASA 3, NCC
Antenna	External via SMA connector.



Model Number C2395A

Teleterm D3 RTU with Ethernet/Radio/GSM and 8 universal I/O

Ordering Information

ORDER CODE	PRODUCT NAME	DESCRIPTION
C2395A-X ¹ -0	Teleterm D3	Teleterm D3 Remote Terminal Unit
C2395A-X1-141	Teleterm D3G41	Teleterm D3G Remote Terminal Unit with LTE (EMEA) Port
C2395A-X1-142	Teleterm D3G42	Teleterm D3G Remote Terminal Unit with LTE (AU/NZ) Port
C2395A-X1-151	Teleterm D3G51	Teleterm D3G Remote Terminal Unit with LTE-M/NB2 Port
C2395A-X1-301	Teleterm D3R1	Teleterm D3R Remote Terminal Unit with 2.4GHz 63mW Radio Port
C2395A-X1-302	Teleterm D3R2	Teleterm D3R Remote Terminal Unit with 868Mhz 10mW Radio Port
C2395A-X ¹ -304 ³	Teleterm D3R4	Teleterm D3R Remote Terminal Unit with 920MHz 1mW-1W Radio Port
C2395A-X1-305	Teleterm D3R5	Teleterm D3R Remote Terminal Unit with 920MHz 1W Radio Port
C2395A-X1-306	Teleterm D3R6	Teleterm D3R Remote Terminal Unit with 868MHz 500mW Radio Port
C2395A-X1-307	Teleterm D3R7	Teleterm D3R Remote Terminal Unit with 464MHz 500mW Radio Port
C2395A-X1-308	Teleterm D3R8	Teleterm D3R Remote Terminal Unit with 433MHz 500mW Radio Port
C2395A-X1-309	Teleterm D3R9	Teleterm D3R Remote Terminal Unit with 169MHz 500mW Radio Port
C2395A-X ¹ -310	Teleterm D3R10	Teleterm D3R Remote Terminal Unit with 920MHz 20mW Radio Port
CC030A-URTT ²	ISaGRAF Activation Code	² Order separately to activate ISaGRAF programming

Notes:

- 1. Two power supply options are available:
 - X = 1 for 85 264 Vac
 - X = 2 for 9-30 Vdc
- 2. For ISaGRAF programming option, order ISaGRAF Activation Code separately
- 3. Not recommended for new installations. Use -305 or -310 instead.

e.g. Order Code is C2395A-2-141 for the Teleterm D3G RTU with 4G LTE (EMEA) Port and 9 30Vdc Power Supply Add CC030A-URTT to your order for ISaGRAF programming option



