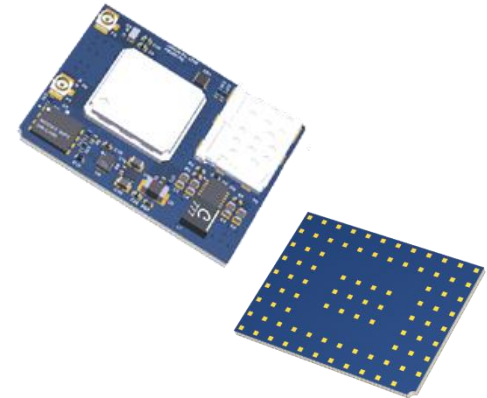


# JANUS REMOTE COMMUNICATIONS

## Janus Products Presentation

Plus - Introducing  
CellBridge™ – Our  
New Family of Global  
CAT-M1/NB2 Products

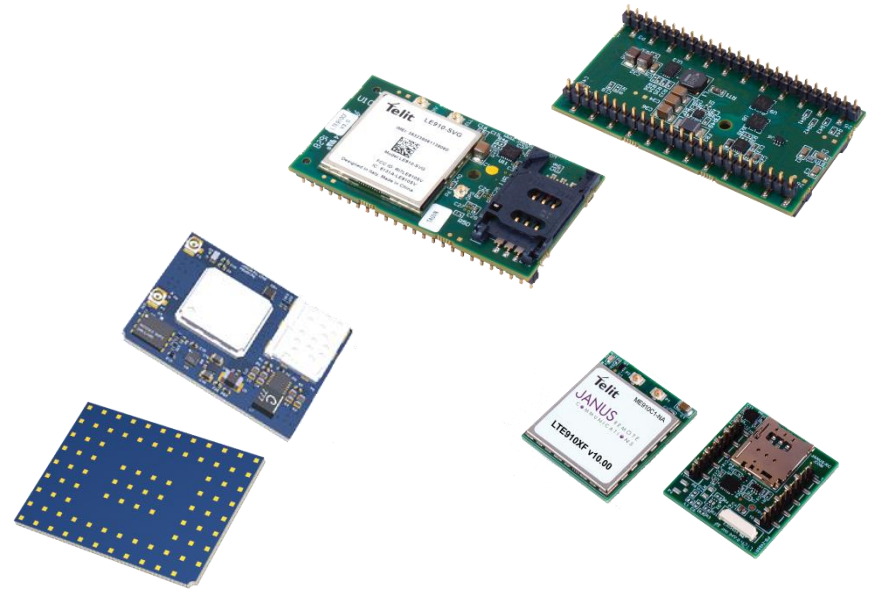


# What We Do

Janus Remote Communications provides state-of-the-art wireless products and services, including Custom Design Solutions to the global IoT marketplace

Our Products are most often used in: **Remote Monitoring Applications**

- Industrial
- Public Infrastructure
- Logistics
- Energy / Utilities
- Transportation
- Building / Construction
- Retail / Consumer



# THE CONNOR-WINFIELD CORPORATION

Janus Remote Communications is a Division of  
The Connor-Winfield Corporation

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# CONNOR

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# WINFIELD

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RoHs



ISO

# CORPORATE & MANUFACTURING FACILITIES



**GPS, Wireless and Timing &  
Frequency Custom Mfg.**  
95,000 sq. ft. Aurora, IL



**Corporate Headquarters & R&D –**  
37,000 sq. ft. Aurora, IL

The Connor-Winfield Corporation is a privately held, US based electronic product manufacturer. After incorporation in 1963, Connor-Winfield focused primarily on designing and manufacturing quartz based timing circuits and oscillators for use in a wide variety of electronics applications. In the 1990's, Connor-Winfield expanded into other product areas while maintaining a continued focus on its core timing roots.

# JANUS REMOTE COMMUNICATIONS

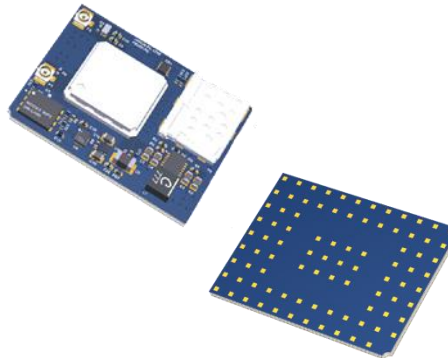


## IoT Hardware and Solutions



# Janus Building Blocks & Gateway Products

## Janus IoT Building Block Solutions

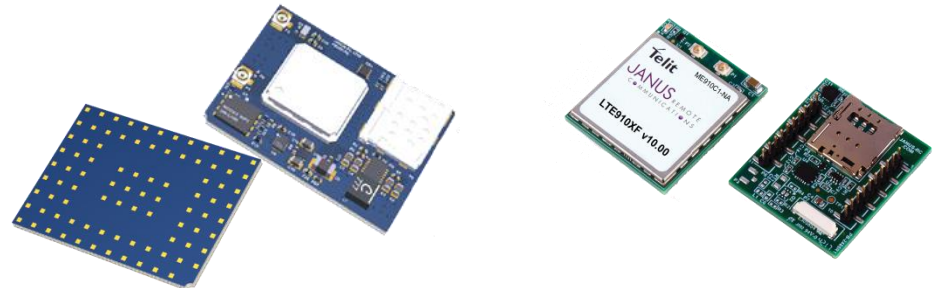
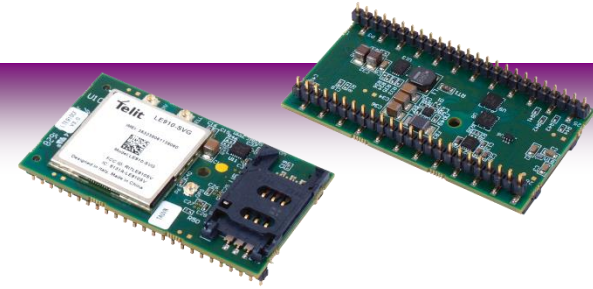


# Embedded Cellular Modems

## IoT Building Blocks

Janus continues to provide the most flexible, carrier-certified embedded solutions with our CF, XF and SMT embedded cellular devices. They provide quick and efficient integration into IoT applications.

- **Footprint Compatible Terminals**
- **Carrier Certified End Devices**
- **CF, XF and SMT footprints**
  - CF – Our Flagship Common Footprint Series
  - XF – Industry Standard 20 Pin Connector
  - SMT – 4G LGA Global Cellular Modem



# SMT Global LTE Embedded Modem

The Janus CellBridge SMT allows end users to assemble “end device” certified embedded cellular modems right onto application PCBs. No more hand assembly. No more modem pin connection issues in the field. Our CellBridge SMT units are designed to be placed during the primary pick & place assembly process, like all other primary BOM components.

- Janus SMT Platform (89-Pin LGA)
- Janus P/N LTE910SMT v1.00
- LTE CAT-M1/NB2 Firmware
- End Device Certified
- Telit ME310G1-WW (World Wide) Module
- Telit OneEdge Tools
  - Security
  - Connectivity
  - Management
  - Location
  - Application Processor



CellBridge™



# CF (Common Footprint) Overview


The Janus line of Common Footprint (CF) socket modems are PTCRB and carrier “end device” certified for use in all 2G, 3G, and 4G cellular communication network applications.

- PCB Mount
- Size: 2.5" x 1.4" x 0.325"
- Temp Range: -40°C to 85°C
- Input Voltage: 3.0 to 5.25Vdc
- LTE, HSPA+, EVDO, CDMA





**Carrier Certified  
End Products**

# CF Socket Modems Comparison (Common Footprint)

Specs / Parameter		HSPA910CF	LTE910CF v6.00	LTE910CF v7.00
				
Power Supply	Input Voltage Range	4.75 - 5.25 Vdc	4.75 - 5.25 Vdc	4.75 - 5.25 Vdc
	Registered Idle Current Draw*	13mA	15mA	15mA
	Power Savings Current Draw*	2mA	2mA	2mA
Hardware	Screw Mounting Hole	Yes	Yes	Yes
Cellular	Cellular Technology - Primary Fallback	UMTS/HSPA GSM/GPRS/EDGE	LTE (CAT 1)	LTE (CAT 1)
	Max Data Rate down/up (Mbps)	21.0 / 5.76	10 / 5	10 / 5
	2G Bands	GSM850, GSM900, DCS1800, PCS1900		
	3G Bands	B1, B2, B4, B5, B8, B19		B2, B5
	4G Bands		B2, B4, B13	B2, B4, B5, B12, B13
	Rx Diversity	Rx	MIMO DL 2x2	Rx & MIMO DL 2x2
	SIM Card	Mini (2FF size)	Mini (2FF size)	Mini (2FF size)
	Certification	All N.A. GSM Carriers	Verizon	All N.A. GSM Carriers
GPS	GPS Available?	GPS	No	No
UART	UART Interfaces	AT Command Trace Tx/Rx (Supports CMUX)	AT Command AUX Tx/Rx	AT Command AUX Tx/Rx
	UART Voltage	2.85 or user selected	2.85 or user selected	2.85 or user selected
	UART Baud Rate	115200 Default	115200 Default	115200 Default
USB	USB Interfaces	Modem: USB0 Virtual Com Ports: USB1, USB2 USB3, USB4 USB5, USB6	Modem: USB0 Virtual Com Ports: USB1, USB2 USB3, USB4 USB5	Modem: USB0 Virtual Com Ports: USB1, USB2 USB3, USB4 USB5
Software	TCP/IP	UDP/TCP/FTP/SMTP stack	UDP/TCP/FTP/SMTP stack	UDP/TCP/FTP/SMTP stack
	Application Programming	Python, C	C	C
I/O	GPIO	5 (GPIO_3-7)	5 (GPIO_3-7)	5 (GPIO_3-7)
	LED Indicator Outputs	1. Cellular Staus 2. User Controlled	1. Cellular Staus 2. User Controlled	1. Cellular Staus 2. User Controlled
	DAC	0	0	0
	ADC	1	1	1
	I2C (Via AT Commands)	Yes	Yes	Yes
	I2C Voltage	1.8 Vdc	1.8 Vdc	1.8 Vdc
Audio	Audio Interface	DVI (12S/PCM)	No	N/A
	Audio Signal Voltage	1.8 Vdc	N/A	N/A

\* Average Current: may be higher in fallback modes.

# CF Socket Modems Comparison (Common Footprint)

Specs / Parameter		LTE910CF CAT-M1 v10.00	LTE910CF CAT1 v15.00	LTE910CF CAT1 Dual SIM	LTE910CF CAT-M1/NB2 v20.00
					
Power Supply	Input Voltage Range	4.75 - 5.25 Vdc	4.75 - 5.25 Vdc	4.75 - 5.25 Vdc	4.75 - 5.25 Vdc
	Registered Idle Current Draw*	12mA	15mA	15mA	12mA
	Power Savings Current Draw*	2mA	2mA	2mA	2mA
Hardware	Screw Mounting Hole	Yes	Yes	Yes	Yes
Cellular	Cellular Technology - Primary Fallback	LTE (CAT-M1)	LTE (CAT 1)	LTE (CAT 1)	LTE (CAT-M1/NB2) EGPRS 2G
	Max Data Rate down/up (Mbps)	0.3 / 0.375	10 / 5	10 / 5	CAT-M1: 1 Mbps/588 Kbps; NB2: 160/120 Kbps
	2G Bands				B2, B3, B5, B8, (210/264 Kbps)
	3G Bands		B2, B4, B5	B2, B4, B5	
	4G Bands	B2, B4, and B12	B2, B4, B5, B12, B13, B14, B66, and B71	B13, B12, B5, B4 and B2	B1, B2, B3, B4, B5, B8, B12, B13, B18 B19, B20, B25, B26, B27, B28, B66, B71, B85
	Rx Diversity	N/A	Rx & MIMO DL 2x2	Rx & MIMO DL 2x2	N/A
	SIM Card	Mini (2FF size)	Mini (2FF size)	Two 3FF micro	Mini (2FF size)
	Certification	AT&T Carrier	All N.A. GSM Carriers	All N.A. GSM Carriers	Global CAT-M1/NB2
GPS	GPS Available?	Yes	No	No	Yes
UART	UART Interfaces	AT Command AUX Tx/Rx	AT Command AUX Tx/Rx	AT Command AUX Tx/Rx	AT Command AUX Tx/Rx
	UART Voltage	2.85 or user selected	2.85 or user selected	2.85 or user selected	2.85 or user selected
	UART Baud Rate	115200 Default	115200 Default	115200 Default	115200 Default
USB	USB Interfaces	Modems: USB1, USB2 Virtual Com Port: USB0	Modem: USB0 Virtual Com Ports: USB1, USB2 USB3, USB4 USB5	Modem: USB0 Virtual Com Ports: USB1, USB2 USB3, USB4 USB5	Modems: USB1, USB2 Virtual Com Port: USB0
Software	TCP/IP	UDP/TCP/FTP/SMTP stack	UDP/TCP/FTP/SMTP stack	UDP/TCP/FTP/SMTP stack	UDP/TCP/FTP/SMTP stack
	Application Programming	No	C	C	No
	GPIO	5 (GPIO_3-7)	5 (GPIO_3-7)	5 (GPIO_3-7)	5 (GPIO_3-7)
I/O	LED Indicator Outputs	1. Cellular Staus 2. User Controlled	1. Cellular Staus 2. User Controlled	1. Cellular Staus 2. User Controlled	1. Cellular Staus 2. User Controlled
	DAC	0	0	0	0
	ADC	1	1	1	1
	I2C (Via AT Commands)	Yes	Yes	Yes	Yes
	I2C Voltage	1.8 Vdc	1.8 Vdc	1.8 Vdc	1.8 Vdc
Audio	Audio Interface	N/A	N/A	N/A	N/A
	Audio Signal Voltage	N/A	N/A	N/A	N/A

\* Average Current: may be higher in fallback modes.

# XF (X Footprint) Overview



The Janus line of XF\* embedded cellular modems, based on the industry standard 20-pin footprint, are specifically designed to provide customers with cost-effective products that are easily integrated into new and existing designs. The XF embedded footprint modems are available for all 2G, 3G, and 4G LTE networks worldwide.

- Industry Standard 20-pin Connector Footprint Design\*
- PCB Mount
- Size: 1.14" x 1.3" x 0.256"
- Temp Range: -40°C to 85°C
- Input Voltage: 3.4 to 5.5 Vdc
- LTE, HSPA+, EVDO, CDMA

**Carrier Certified  
End Products**

# \*XF Socket Modems Comparison

Specs / Parameter

LTE910XF CAT 1 v7.00

LTE910XF CAT 4 v8.00

LTE910XF CAT-M1 v10.00

**JANUS** REMOTE  
COMMUNICATIONS



Power Supply	Input Voltage Range	3.5 – 5.5 Vdc	3.5 – 5.5 Vdc	3.5 – 5.5 Vdc
	Registered Idle Current Draw**	15mA	15mA	12mA
	Power Savings Current Draw**	2mA	2mA	2mA
Hardware	Screw Mounting Hole	Yes	Yes	Yes
	Cellular Technology - Primary Fallback	LTE (CAT 1) EDGE/UMTS/HSPA	LTE (CAT 4)	LTE (CAT-M1)
Cellular	Max Data Rate down/up (Mbps)	10 / 5	150 / 50	0.3 / 0.375
	2G Bands			
	3G Bands	B2, B4		
	4G Bands	B2, B4, B5, B12, B13	B2, B4, B5, B13	B2, B4, B12
	Rx Diversity & MIMO	Rx & MIMO DL 2x2	MIMO DL 2x2	N/A
	Antenna Connector	U.FL	U.FL	U.FL
	SIM Card	Micro (3FF size)	Micro (3FF size)	Micro (3FF size)
	Certification	AT&T, T-Mobile, Rogers	AT&T, T-Mobile, Rogers, Verizon	AT&T, T-Mobile, Rogers
GPS	GPS Available	No	N/A	Yes
	GPS Antenna Connection			U.FL
UART	UART Interface	AT Command	AT Command	AT Command
	UART Voltage	1.65 - 5.0 Vdc	1.65 - 5.0 Vdc	1.65 - 5.0 Vdc
	UART Baud Rate	115200 Default	115200 Default	115200 Default
USB	USB Interfaces	Modem: USB0 Virtual Com Ports: USB1, USB2 USB3, USB4 USB5	Modem: USB0 Virtual Com Ports: USB1, USB2 USB3, USB4 USB5	Modems: USB1, USB2 Virtual Com Port: USB0
Software	TCP/IP	UDP/TCP/FTP/SMTP stack	UDP/TCP/FTP/SMTP stack	UDP/TCP/FTP/SMTP stack
	Application Programming	C	No	No
I/O	GPIO	2 (GPIO_2-3)	2 (GPIO_2-3)	2 (GPIO_2-3)
	LED Indicator Outputs	Cellular Staus	Cellular Staus	Cellular Staus
	DAC	0	0	0
	ADC	1	1	1

\* XF Footprint is an Industry Standard 20 Pin Connector Footprint | \*\* Average Current: may be higher in fallback modes.



# \*XF Socket Modems Comparison

Specs / Parameter

LTE910XF CAT 1 v12.00 EU

LTE910XF CAT 1 v15.00

LTE910XF v20.00 CAT-M1/NB2

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COMMUNICATIONS



Power Supply	Input Voltage Range	3.5 – 5.5 Vdc	3.5 – 5.5 Vdc	3.5 – 5.5 Vdc
	Registered Idle Current Draw**	15mA	15mA	12mA
	Power Savings Current Draw**	2mA	2mA	2mA
Hardware	Screw Mounting Hole	Yes	Yes	Yes
	Cellular Technology - Primary Fallback	LTE (CAT-1) GSM	LTE (CAT-1) GSM	LTE (CAT-M1/NB2) EGPRS 2G
Cellular	Max Data Rate down/up (Mbps)	10 / 5	10 / 5	CAT-M1: 1 Mbps / 588 Kbps; NB2: 160 / 120 Kbps
	2G Bands	GSM900, DCS1800		B2, B3, B5, B8, (210 / 264 Kbps)
	3G Bands		B2, B4, B5	
	4G Bands	B1, B3, B7, B8, B20	B2, B4, B5, B12, B13, B14, B66, and B71	B1, B2, B3, B4, B5, B8, B12, B13, B18 B19, B20, B25, B26, B27, B28, B66, B71, B85
	Rx Diversity & MIMO	MIMO DL 2x2	MIMO DL 2x2	N/A
	Antenna Connector	U.FL	U.FL	U.FL
	SIM Card	Micro (3FF size)	Micro (3FF size)	Micro (3FF size)
	Certification	RED	AT&T, PTCRB Version Pending	Global CAT-M1/NB2
GPS	GPS Available	Yes	Yes	Yes
	GPS Antenna Connection			U.FL
UART	UART Interface	AT Command	AT Command	AT Command
	UART Voltage	1.65 - 5.0 Vdc	1.65 - 5.0 Vdc	1.65 - 5.0 Vdc
	UART Baud Rate	115200 Default	115200 Default	115200 Default
USB	USB Interfaces	Modem: USB0 Virtual Com Ports: USB1, USB2 USB3, USB4 USB5	Modem: USB0 Virtual Com Ports: USB1, USB2 USB3, USB4 USB5	Modems: USB1, USB2 Virtual Com Port: USB0
Software	TCP/IP	UDP/TCP/FTP/SMTP stack	UDP/TCP/FTP/SMTP stack	UDP/TCP/FTP/SMTP stack
	Application Programming	No	No	No
I/O	GPIO	2 (GPIO_2-3)	2 (GPIO_2-3)	2 (GPIO_2-3)
	LED Indicator Outputs	Cellular Staus	Cellular Staus	Cellular Staus
	DAC	0	0	0
	ADC	1	1	1

\* XF Footprint is an Industry Standard 20 Pin Connector Footprint | \*\* Average Current: may be higher in fallback modes.

# Janus Socket Modems Applications

- Digital Remote Signage (especially construction)
- Parking Kiosks
- Trail Cameras
- Pipeline Monitoring
- Remote Environmental Monitoring
- Industrial Equipment



# Gateway and Terminal Products

## IoT Building Blocks

Janus provides a number of carrier certified enclosed gateways and terminals for customers to easily implement into their end applications. These products provide cost effective solutions for any technical challenges.



- **Serial, USB and Ethernet Connectivity**
- **Carrier Certified End Devices**
- **Rugged Enclosures**
- **-40 to 85°C Operating Temp**
- **Standard DC Voltage Inputs**
- **Linux, Python, C/C++**



# Janus T2 Gateway Terminus



## IoT Gateways – Pre-Certified

Our second generation Standard Terminus (T2) products are highly adaptable, cost-effective cellular gateways. Available in 2G, 3G, and 4G LTE cellular versions, the T2 products are ideal for use in all wireless applications that require processing power. External connectors allow the customer to choose the precise antenna for their application needs

- **Serial and USB (OTG) connectivity**
- **4-20 mA current loops**
- **Accelerometer**
- **Built in FPU**
- **Built in DSP**
- **Input Power Range of 7-28 VDC**
- **External Antenna Connectors**
- **Incorporates our Plug-In Modems**
- **Rugged Ryton Plastic Enclosure**

# Janus T2 Product Applications

- **Water Monitoring**
- **Trash Compactor Monitoring**
- **Security System Monitoring**
- **Custom Vehicle Tracking/Monitoring**
- **Elevator Monitoring**





# Terminus T3 Modem



## Hardware as a Solution

### High Performance at a Low Cost

Designed specifically for cost-sensitive modem applications, the Terminus T3 incorporates Janus Embedded Modems in a small metal housing with standard power, I/O, and antenna connections. The unit's low cost and outstanding features and functions make the Terminus T3 the device of choice for all cost sensitive terminal applications.

- Input voltage of 5 Vdc
- USB Connectivity
- RS-232 Serial Connectivity
- RS-485 Serial Connectivity

# Janus T3 Product Applications

- Simple Vehicle Tracking
- Power Line Monitoring
- Generator Monitoring
- Farm Equipment Monitoring
- Remote Weather Station Monitoring



# 400AP SBC Gateway Terminals



The Janus 400AP is a powerful, Single Board Computer with Cellular Technology housed in an aluminum enclosure. Available in 2G, 3G, and 4G LTE cellular versions, the 400AP products are ideal for use in all wireless applications that require advanced processing and robust connectivity. External connectors allow the customer to choose the precise antenna for their application needs.

- **Single Board Computer (SBC)**
- **Carrier certified, application ready**
- **Incorporates an ARM processor**
- **Flash & RAM Memory**
- **128 MB of NAND Flash**
- **64 MB of SDRAM**
- **Externally Exposed RS-232 & RS-485 Ports**
- **Two CAN Interfaces (2 Channel)**
- **Embedded GPS**
- **Four Exposed GPIOs**

**IoT Gateways – Pre-Certified**

# Janus 400AP Product Applications

- Electric vehicle monitoring and tracking
- Medical equipment data processing and telemetry
- Rental vehicle monitoring and tracking
- Utilities (water/Electric) monitoring and data processing
- Remote Industrial systems monitoring and control



# Janus Gateway Products Comparison

Modem	Voltage Range	Operating Temp	Network	MCU	OS	GNSS	GPIO	ADC	DAC	Dimension	Enclosure	Connectivity	Certifications
LTE910T3 v20.00	5 Vdc	-40° to 65°C	LTE CAT-M2/NB2	App. Processor	Telit AppZone	Yes	0	0	0	5.21 x 2.35 x 1.81"	Aluminum Enclosure	USB / Serial	PTCRB; AT&T Verizon; FCC IC; RED
LTE910T3 v15.00	5 Vdc	-40° to 65°C	LTE CAT 1	N/A	N/A	Yes	0	0	0	5.21 x 2.35 x 1.81"	Aluminum Enclosure	USB / Serial	PTCRB; AT&T Verizon; FCC; IC
LTE910T3X v8.00	5 Vdc	-40° to 65°C	LTE CAT 4	N/A	N/A	No	0	0	0	5.21 x 2.35 x 1.81"	Aluminum Enclosure	USB / Serial	PTCRB; AT&T Verizon; FCC; IC
LTE910T2 v20.00	7-32 Vdc	-40° to 65°C	LTE CAT-M2/NB2	Cortex M4	Bare Metal	Yes	14	8	2	2.60 x 3.75 x 1.2"	Ryton Enclosure	USB / Serial 50 Pin / CAN	PTCRB; AT&T Verizon; FCC IC; RED
LTE910T2 v15.00	7-32 Vdc	-40° to 65°C	LTE CAT 1	Cortex M4	Bare Metal	Yes	14	8	2	2.60 x 3.75 x 1.2"	Ryton Enclosure	USB / Serial 50 Pin / CAN	PTCRB; AT&T Verizon; FCC; IC
LTE400AP v20.00	7-26 Vdc	-40° to 65°C	LTE CAT-M2/NB2	Arm9	Linux	Yes	4	2	0	3.15 x 4.27 x 1.18"	Aluminum Enclosure	Ethernet Serial / USB	PTCRB; AT&T Verizon; FCC IC; RED
LTE400AP v15.00	7-26 Vdc	-40° to 65°C	LTE CAT 1	Arm9	Linux	Yes	4	2	0	3.15 x 4.27 x 1.18"	Aluminum Enclosure	Ethernet Serial / USB	PTCRB; AT&T Verizon; FCC; IC



The new Janus CellBridge family of Global CAT-M1/NB2 solutions provide our IoT customers with powerful new hardware, software and connectivity tools.



**Based on the Telit ME310G1-WW and ME910G1-WW modules with OneEdge™ tools, CellBridge products assist customers in quickly and easily integrating “End Device” certified Cellular modems, Terminals and Gateways into their applications.**



# CellBridge™ Global Products CellBridge™

- **LTE310SMT v1.00 LGA SMT Embedded Modem**
- **LTE910CF v20.00 Common Footprint (CF) Embedded Modem**
- **LTE910XF v20.00 “X” Footprint (XF) Embedded Modem**
- **LTE910T3 v20.00 T3 Enclosed Cellular Terminal**
- **LTE910T2 v20.00 Enclosed Gateway with Cortex M4 Processing Power**
- **LTE400AP v20.00 Enclosed SBC with USB, Ethernet, Serial Connectivity**

# CellBridge™ – Telit OneEdge™

- **Telit IoT AppZone** can run code and applications directly inside the Telit module.
- **Lightweight M2M Protocol** enables comprehensive device management, FOTA updates and application enablement of low-power devices with the goal of more robust and secure connections.
- **Telit simWISE™**, a module-embedded SIM technology, enables reduced footprint, streamlined manufacturing and logistics, secure communications for connected devices.
- **Telit's Connection Manager** automates operations for connection to cellular networks.
- **Location Services** provide the position of devices even in the absence of a GNSS connection.

# SMT Global LTE Embedded Modem

- Janus SMT Platform (89-Pin LGA)
- Janus P/N LTE910SMT v1.00
- LTE CAT-M1/NB2 Firmware
- End Device Certified
- Telit ME310G1-WW (World Wide) Module
- Telit OneEdge Tools
  - Security
  - Connectivity
  - Management
  - Location
  - Application Processor

CellBridge™



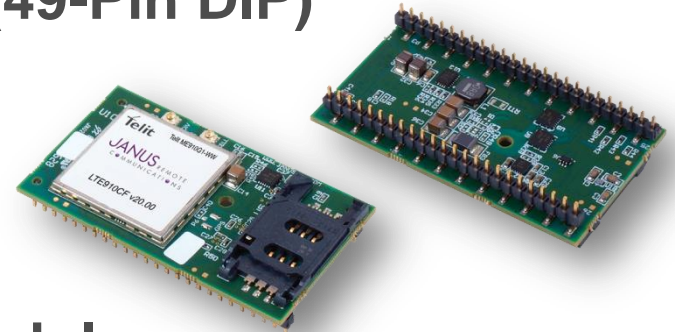
LTE Bands:

B1, B2, B3, B4, B5, B8,  
B12, B13, B18, B19,  
B20, B25, B26, B27,  
B28, B66, B71 and B85



# CF Global LTE Embedded Modem

- Janus Common Footprint Platform (49-Pin DIP)
- Janus P/N LTE910CF v20.00
- LTE CAT-M1/NB2 Firmware
- End Device Certified
- Telit ME910G1-WW (World Wide) Module
- Telit OneEdge Tools
  - Security
  - Connectivity
  - Management
  - Location
  - Application Processor



**CellBridge™**

LTE Bands:  
B1, B2, B3, B4, B5, B8,  
B12, B13, B18, B19,  
B20, B25, B26, B27,  
B28, B66, B71 and B85

# XF Global LTE Embedded Modem

- Janus “X” Footprint Platform (20-Pin DIP)
- Janus P/N LTE910XF v20.00
- LTE CAT-M1/NB2
- End Device Certified
- Telit ME910G1-WW (World Wide) Module
- Telit OneEdge Tools
  - Security
  - Connectivity
  - Management
  - Location
  - Application Processor



**CellBridge™**

LTE Bands:

B1, B2, B3, B4, B5, B8,  
B12, B13, B18, B19,  
B20, B25, B26, B27,  
B28, B66, B71 and B85

# CellBridge™ Global LTE Modems

- Available in Embedded or Enclosed Versions
- LTE CAT-M1/NB2 Firmware
- End Device Certified
- Telit ME910G1-WW or ME310G1-WW (World Wide) Modules
- Telit OneEdge Tools
  - Security
  - Connectivity
  - Management
  - Location
  - Application Processor



## CellBridge™

LTE Bands:

B1, B2, B3, B4, B5, B8,  
B12, B13, B18, B19,  
B20, B25, B26, B27,  
B28, B66, B71 and B85

# Janus Products Roadmap 2020

Product Updates/ Certification Schedule	April '20	May '20	June '20	July '20	Aug' 20	Sept '20	Oct '20	Nov '20	Dec '20
LTE910CF v15.00 Cat 1 Socket Modem (LE910C1-NF)	Certification								
* LTE910XF v20.00 Global Cat-M1/NB2 Socket Modem (ME910G1-WW)			Certification						
* LTE310SMT v1.00 Global Surface Mount Socket Modem			Certification						
LTE910PS v3.00 POTSwap	Certification								
CellBridge™ / OneEdge™ Tools									
* LTE910CF v20.00 Global Cat-M1/NB2 Socket Modem (ME910G1-WW)			Certification						
* New LTE910T3 v20.00 Global CAT-M1/NB2 Terminals (Based on LTE910CF v20.00)			Certification						

*\*Equipped with CellBridge™ / OneEdge™ Tools*

# Who Uses Janus Products and Services

- Companies with little or no wireless experience – whose products or services would benefit from wireless connectivity
- Companies that require a quick and easy wireless implementation
- Companies with products that currently incorporate a wireless solution going into product redesign
- Companies with low volume demand that might not be able to achieve PTCRB, carrier, FCC, CE, or other certifications due to great expense
- Companies that might require engineering assistance





# Janus Website

- General Navigation
- Product Pages
  - Documentation
  - Downloads
  - App Notes, Technical Papers, etc.
- Media
- Support
- Contact Us
- Partners
- Janus Store

**JANUS** REMOTE  
COMMUNICATIONS

Email Us | Shop Now! 630-499-2121

About Us Products LTE POTSwap Support Store Contact Us GPS Solutions

## DUAL SIM EMBEDDED MODEM

Choose Multiple Carriers

**LTE910CF v18.00 Features**

- LTE Category 1
- 3G Fallback
- Covers North America
- End Device Certified!
- Multiple Carriers

Our New Dual SIM Socket Modem - [Click Here](#)

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Quick Links

- Find Product by Carrier
- Product Roadmap
- Gateway Products Overview
- CF Plug-In Comparison
- XF Plug-In Comparison
- Verizon FOTA App Note

ALL Janus products are manufactured in the USA!

**BROWSE STORE**


View/Buy Janus Products at Digi-Key

**SPECIAL OFFER - POTSwap LTE Kits & AT&T Voice Service GNSS RTK Solutions**

[Verizon Mandatory FOTA Requirements App Note](#)

**End Device Certified IoT Hardware Solutions**

### LTE 4G POTSwap POTS Replacement




- Cellular Replacement for Copper Phone Landlines
- Aluminum Enclosure
- Size: 6.5" x 5.2" x 1.2"
- Temp Range: -40°C to 60°C
- Input Voltage: 7 to 15 Vdc
- 4G with 3G fallback if needed
- Voice Over Cellular

[LTE 4G Info](#)  
[Carrier Release Dates](#)

[Buy at Digi-Key Premium Kit](#)  
[Buy at Digi-Key Standard Kit](#)

### Embedded Cellular CF Plug-In Series




- Common Footprint (CF) Design
- PCB Mount
- Size: 2.5" x 1.4" x 0.325"
- Temp Range: -40°C to 85°C
- Input Voltage: 3.0 to 5.25Vdc
- LTE, HSPA+, EVDO, CDMA

[Read More](#)

[Buy at Digi-Key LTE910CF Modems](#)

### Embedded Cellular XF Plug-In Series




- Industry Standard 20-pin Connector Footprint Design
- PCB Mount
- Size: 1.14" x 1.3" x 0.256"
- Temp Range: -40°C to 85°C
- Input Voltage: 3.5 to 5.5 Vdc
- LTE, HSPA+

[Read More](#)

[Buy at Digi-Key LTE910XF Modems](#)

### Embedded Cellular MF Plug-In Series



- Micro Footprint (MF) Design
- PCB Mount
- Size: 1.33" x 1.152" x 0.37"
- Temp Range: -40°C to 85°C
- Input Voltage: 4.75 to 5.25 Vdc
- LTE

[Read More](#)

# Janus Contact Information

## SALES CONTACTS

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# General Information

## For Opportunities, who to contact:

Contact Gordon for standard products.

Contact Dave for custom products and higher volumes customers.

## How are samples and demos handled:

Contact Gordon for sample orders and demo loaners.

Per our policy, all loaned out equipment be returned in a timely manner for other customers.



# Need More Info?

[www.janus-rc.com](http://www.janus-rc.com)

