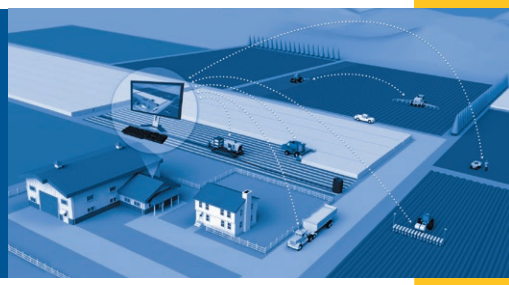
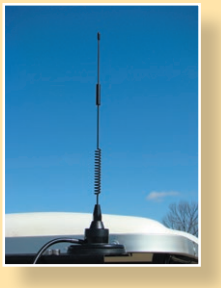
DCM-300G MODEM

THE MODEM FOR CONNECTED FARM SOLUTIONS USING AT&T WIRELESS



The rugged and robust DCM-300G modem provides wireless 3G connectivity for Connected Farm™ solutions. It enables reliable access to Trimble® CenterPoint™ VRS™ corrections, Trimble CenterPoint RTX™ corrections as well as other 3rd party network RTK solutions.

The modem can be used with Connected Farm for wireless data transfer between the office and field, and vehicle to vehicle—allowing quicker access to data. Compatible with most brands of equipment, the modem can also capture real-time fleet positions, public CAN messages, and fleet productivity information. The DCM-300G modem uses 3G HSDPA/UMTS technology and is certified for use on the AT&T Wireless network.



External antenna (included) connects to the modem to maximize cellular service

TRIMBLE DATA PLAN

Wireless data plans for AT&T can be acquired through Trimble. There are many advantages of bundling your cellular data plan through Trimble versus using a third party provider.

Benefits:

- One point of contact for ordering and support
- No multi-year contract (12 month pre-paid service)
- Ease of installation, the DCM-300 modem includes a pre-installed and configured SIM card
- Enhanced data security using Trimble and AT&T technology

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AT&T Network Coverage	√
Telematics	√
Office to Field Data Exchange	√
Vehicle to Vehicle Data Exchange	√
Remote Assistant	√
Trimble Correction Services	√
Third Party Corrections	√

TELEMATICS	OFFICE TO FIELD DATA EXCHANGE	VEHICLE TO VEHICLE DATA EXCHANGE	REMOTE ASSISTANT
• Fleet tracking • Security alerts • Public CAN messages • Fleet productivity	• Transfer yield data, guidance lines, coverage map, and more • Cellular or Wi-Fi compatible*	• Transfer tank levels, guidance lines, coverage map, and more • Wi-Fi compatible*	• Remote display diagnostics

*Using the Wi-Fi feature does not require a cellular data plan

Trimble®

Trimble Agriculture. The line everyone follows.

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PLUG-N-PLAY USB CONNECTION

DCM-300 MODEM AS A VRS SOLUTION IS COLOR BLIND AND CAN WORK WITH 3RD PARTY CORRECTIONS:

- ✓ State run or public RTK networks*
- ✓ Other non-Trimble solutions*
- ✓ CORS (Continuously Operating Reference Station)*

*when CMR or CMR+ formats are output

DCM-300 MODEM IS COMPATIBLE WITH THE FOLLOWING TRIMBLE DISPLAYS AND RECEIVERS:

- ✓ Trimble FmX® integrated display
- ✓ Trimble CFX-750™ display
- ✓ Trimble *Ag*GPS® 262 receiver
- ✓ Trimble AG-372 GNSS receiver

ITEM		DESCRIPTION
MODEM TYPE	DCM-300G	Wireless Interface: Tri-Band UMTS/HSDPA (WCDMA/FDD) 850/1900/2100 Mhz Quad-Band GSM/GPRS/EDGE 850/900/1800/1900 MHz
DIMENSIONS (WxDxH)		230 mm x 136.3 mm x 40 mm (9.05 in x 5.37 in x 1.57 in)
WEIGHT		1.09kg (2.40 pounds)
OPERATING TEMPERATURE		-40 °C to +70 °C (-40 °F to +158 °F)
STORAGE TEMPERATURE		-40 °C to +85 °C (-40 °F to +185 °F)
CASING		Cast Aluminum
CONNECTORS	Multi	34 Pin male positive locking
	GPS Antenna	SMA Jack
	Cellular Antenna	TNC Jack
	Wi-Fi Antenna	RP TNC Jack
CERTIFICATIONS		DCM-300G: FCC Class B Part 15, CE Mark; A-Tick mark; WEEE; RSS-210; Industry Canada; PTCRB; RoHS; SAE J1171; SAE J113-13; SAE J1455; e-Mark; IP67, IP66
INPUT VOLTAGE	7.0-32.0 V DC	Unit will tolerate an 80V jump start transient for at least 2 minutes. Meets SAE J1113/11 cold cranking waveform specifications for both 12V and 24V systems
TELEMATICS GPS POSITIONING	Type	12 channel; L1 C/A Code, Continuous Tracking
	SBAS Support	WAAS, EGNOS
	Horizontal Accuracy	<2.5 m (50% CEP)
	Maximum Update Rate	1Hz
	Tracking Sensitivity	–160 dBm
	Acquisition Sensitivity	–146 dBm
	Time to Position (typical)	Cold Start: 38 Seconds Warm Start: 38 Seconds After 15 Second Signal Blockage: <2 Seconds

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