

SATCOM SYSTEM

The armored vehicles
Telecom and telemetry solution

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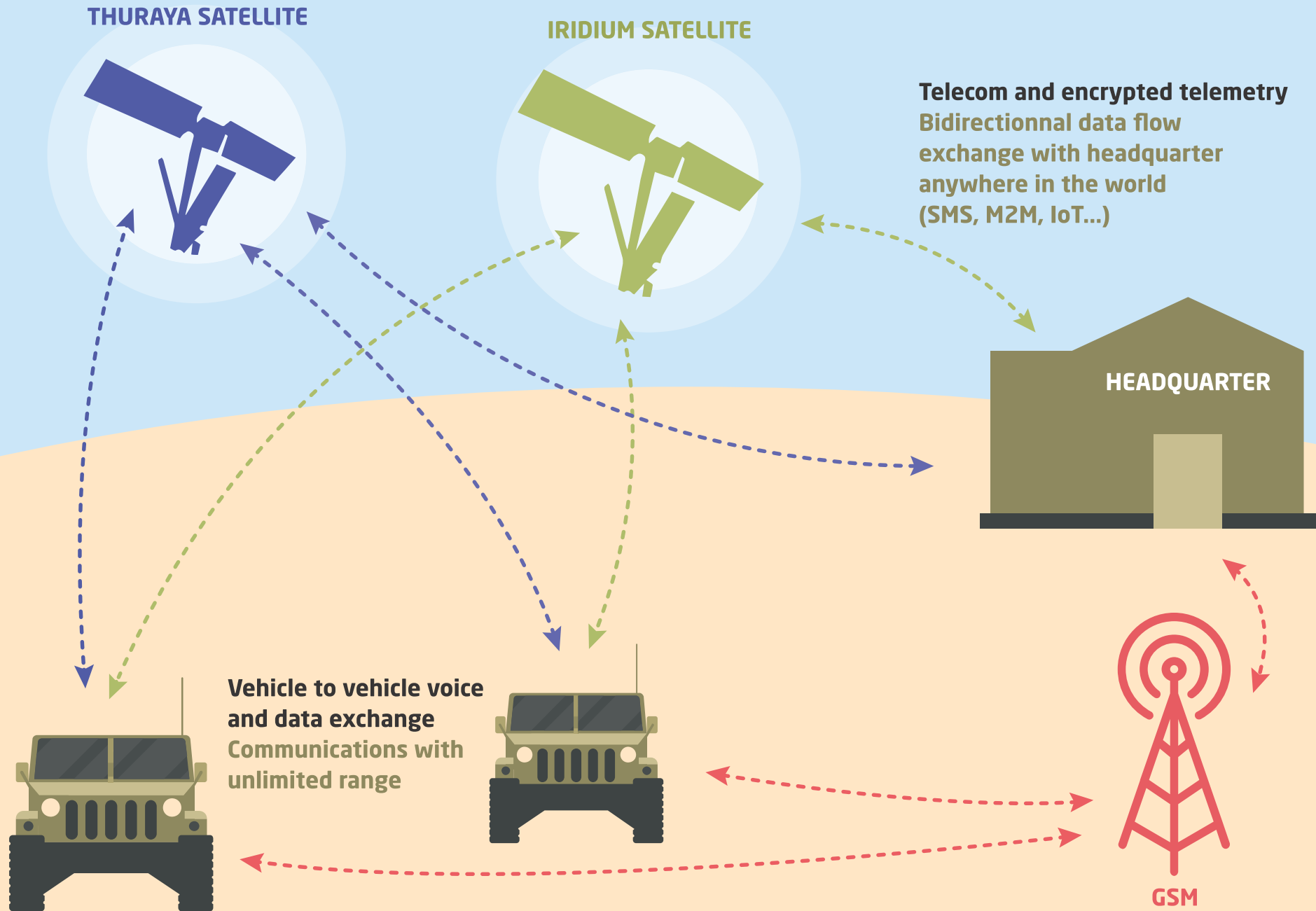
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Telecom and telemetry **SECURED LINK**



The new generation of **SATCOM EQUIPMENT**

SIERRA-MC2 SATCOM LRU

MAIN FEATURES

- Smallest (and lightest 800gr) autonomous Satcom System available on the market; can be integrated almost anywhere in any vehicle
- Satcom transceiver for either/all Thuraya / Iridium / Inmarsat / GSM / TETRA networks with unique satellite quad-channel 3,5" patch antenna with active filtered GPS L1 / L2
- Simultaneous voice, SMS, M2M and DATA/Internet
- VVIP/VIP Telephony, Internet, Fax and Data system, DECT
- Asset Tracking and Management, record and notification
- UAD (Unusual Attitude Detection); send automated alert SMS with GPS position
- Digital and Analogue Input/Outputs for remote applications and sensors
- Remotely configurable system via SMS (optional)
- MIL STD fully compliant
- Can be powered from 10 to 35VDC - 2A max

SIERRA-MC2 SPECIAL FUNCTIONS

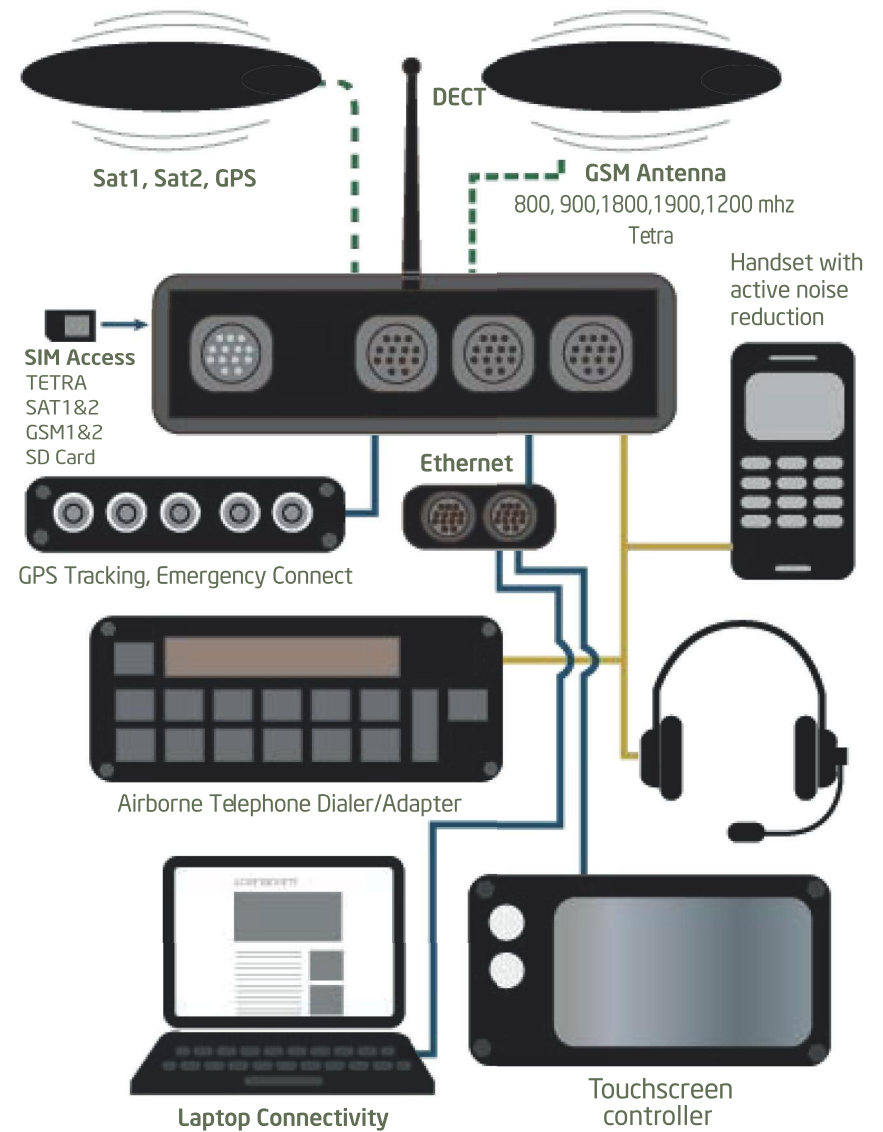
- "Maintenance flap» to change instantly SIM cards without removal the equipment
- 4 simultaneous channels radio including Thuraya / Iridium / Inmarsat / GSM / TETRA networks for voice+DATA+SMS
- Latest generation of 4G/4G+/LTE high speed DATA GSM modem
- Independant port for government GPS receivers
- TETRA Modem for governmental communications (Optional)
- US/GLONASS/GALILEO very high precision 72 channels redundant GPS for tracking/alert purpose
- Dead Recogning position calculation
- DECT Modem for local loop wireless headset connection
- Redundant serial connection RS485 and BUS SCAN
- 2xPCIExpress available slots for specific applications.
- Anti echo DSP system for high level sound and compatibility with any ICS
- 8.5/55VDC Emergency Power Supply capability for rescue beacon
- SIM card automatic soft swap for maintaining THURAYA Satellite communications with GSM SIM
- Transponder «off» detection (Optional)
- Transponder message discrepancy accordint squawq alert (PCIExpress transponder board needed)
- Very High immunity against electromagnetic pulse (EMP)
- Voice recorder (Optional)
- Path plan recorder (Optional)



The new generation of **SATCOM EQUIPMENT**



**SIERRA-MC2
SATCOM LRU**



The new generation of **SATCOM EQUIPMENT**

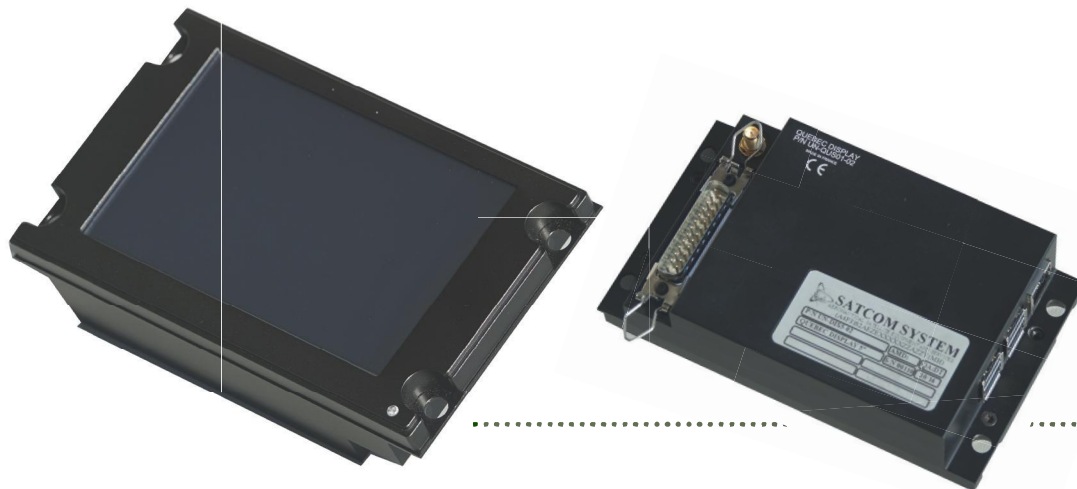
QUEBEC MINI-EFB DISPLAY

This DZEUS mounted touch screen color is integrable into the instrument panel.

QUEBEC display is used to dial phone numbers, send and receive SMS.

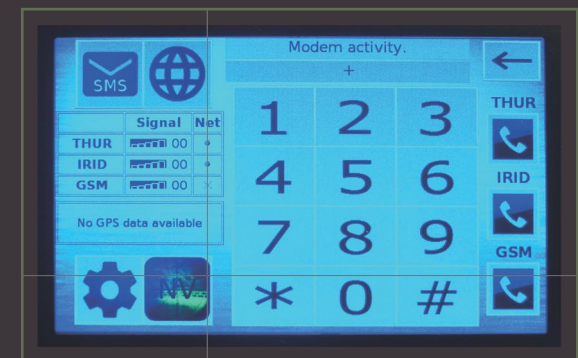
QUEBEC can be used with SIERRA equipment and is delivered with standard telephony and alert functionalities.

Any piece of software can be added, planning, weather display, traffic, etc...



MAIN FEATURES

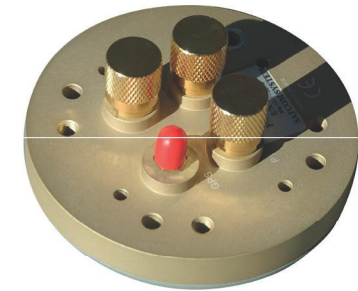
- Smallest (compact) autonomous display available on market, DZEUS mounted
- Sun mat protected screen
- Automatic brightness dimmer
- Spill protected, heat +50, cold -10
- 800Mz processor, up to 16GB memory
- LAN connection
- 147mm x 65mm x 20mm - 200g only
- 28VDC/30mA
- MIL STD compliant
- Wi-Fi capable 802.11 n
- Any piece of software development possible on request
- Fully user configurable



The new generation of **SATCOM EQUIPMENT**

SATCOM ANTENNA P/N AN-496-01

- The antenna P/N AN-496-01 is a part of *Sierra Multi Channel* satellite communication system for access to the Thuraya and/or Iridium and/or Inmarsat Satellite Networks and/or GSM Network.
- The antenna P/N AN-496-01 provides coverage over 1529-1559 MHz (Downlink), 1626.5-1660.5 MHz (Uplink) and 1575.42 MHz GPS. The GPS is active and is fitted with a 5V LNA (Low Noise Amplifier).
- The radiating elements are enclosed in a thermoplastic composite shell.



- The antenna P/N AN-496-01 is the unique all in one on the market small factor and compatible with the three main satellite constellations (Thuraya+Iridium+Inmarsat) + GPS

The new generation of **SATCOM EQUIPMENT**

JULIET SWITCH ETHERNET



This ruggedized LAN hub is designed to fully manage up to 7 Ethernet ports.

It is compatible with all IEEE 802.3 Ethernet protocols.

The small design and light weight allows installation on any vehicle.

It can be from 10 to 35VDC powered or directly from the SIERRA-MC SatCom.



MAIN FEATURES

- Smallest (compact) autonomous 6 ports LAN hub for aeronautical applications
- Fully managed 5 Ethernet ports
- Store & forward wire-speed switching
- Automatic address learning, aging and migration
- Full duplex operation with flow control
- All IEEE 802.3 Ethernet protocols supported
- Aluminium anodized box
- 120mm x 80mm x 30mm
- 230g only
- 10 to 35VDC



**ANTENNA
LOCATION**

Perfectly compatible and complementary to standard other security equipments, the Sierra MC2 system fits easily in compact space and provides a wide range of communication abilities.



**SIERRA
MC2**



**QUEBEC
DISPLAY**