SUNIT
Bridge for Demanding Duties

SUNIT FQ
MULTI-LTE

FQ Multi-LTE

ALWAYS CONNECTED ON CRITICAL COMMUNICATION

SUNIT **FQ5**	SUNIT **FDQ**	SUNIT **FMD**
➢ Intel® Core i5 7442EQ	➢ Intel® Core i7 6822EQ	➢ Intel® i7 7820EQ
➢ Skylake 4 x 1.9GHz	➢ Skylake 4 x 2.0GHz	➢ Kaby Lake H 4 x 3.0GHz

- ➢ Intel HD Tri-graphic
- ➢ 1 x GigaBit-Ethernet
- ➢ 3 x Screen Interfaces
- ➢ 1x Video (Option 4 x Video)
- ➢ Dual-Band Wi-Fi & BT4.2,
- ➢ Single, Dual or Tri LTE Modems
  - ➢ Individual SIM-Slots
- ➢ As Option:
  - ➢ FM-receiver with DAB+
  - ➢ Voice-priority control (4-channels)
  - ➢ Additional Android/Linux CPU for IoT
- ➢ 2 x CAN, D-IO's, Analog-In's
- ➢ Accurate 72-channles 3D GNNS
- ➢ 3D-Gyro
- ➢ Vehicles; VSS, Gearshift sense, FMS
- ➢ Intelligent Power-Moding
- ➢ 9 … 36V / Core-Power monitory
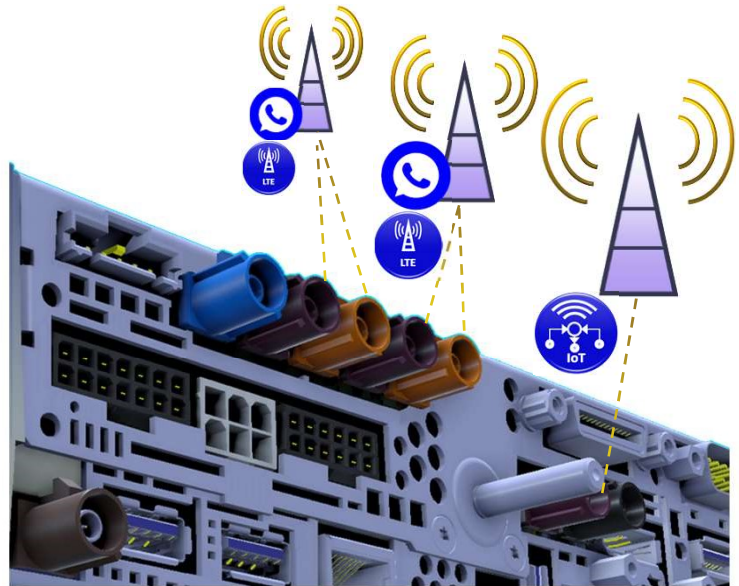
TECHNOLOGY MAKING CRITICAL COMMUNICATION ALL-TIME CONNECTED

Critical Communication requires All-time connections, interruptions are not desirable.

Our solution to demands on Critical Communication is design where computer can be equipped with several modems.

It is founded that in a catastrophe situation, the communication of single-operator equipment can be limited to less than 65% by then, when the need is utmost. By adding a dual modem with second operator, a grade of up to 98% is achieved.

The Multi-LTE property can be chosen as an option to SUNIT Fixed-Mount computers. Thanks to M.2 adequate formfactor, the customer can choose the most suitable modem-type in his infra.

Third modem is IoT-Modem, which is also connected to the vehicle's facility network, enabling remote controls on Vehicle-Technologies. The IoT-Modem can also be used for information system upgrades. The IoT-Modem can be either a SUNIT factory modem or a Client-selected Mini-PCie slot suitable.

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**ALWAYS CONNECTED ON
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- 3 x SIM Front side
  - 2 x for User-Application
  - 1 x for Telemetry
- Audio, Mic
- GPS GNSS
- 4G LTE – Main-Modem
- MIMO – Main-Modem
- 4G LTE – Dual-Modem
- MIMO – Dual-Modem
- 3 x RS232/485
- 4G IoT – Telemetry
- RS232/485 Control by PC & Telemetry
- Bluetooth
- USB2.0 Telemetry
- DisplayPort
- USB3.0
- Dual Screen
- Main Screen
- *Some of I/O's are Options*
- DB Wi-Fi
- USB3.0
- USB3.0
- GB Ethernet
- Video Pwr & IoT

SUNIT-FQ MULTI-LTE is traditionally tailored Mission Critical computer.

Additionally properties that can be added to computer are, e.g. Voice control, FM / DAB+, Linux / Android based Dual Processor for Stand-Alone IoT-server.

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IoT-Modem
M.2 Formfactor Modem # 1
M.2 Formfactor Modem # 2
SIM-Slot # 1
SIM-Slot # 2
SIM-Slot IoT
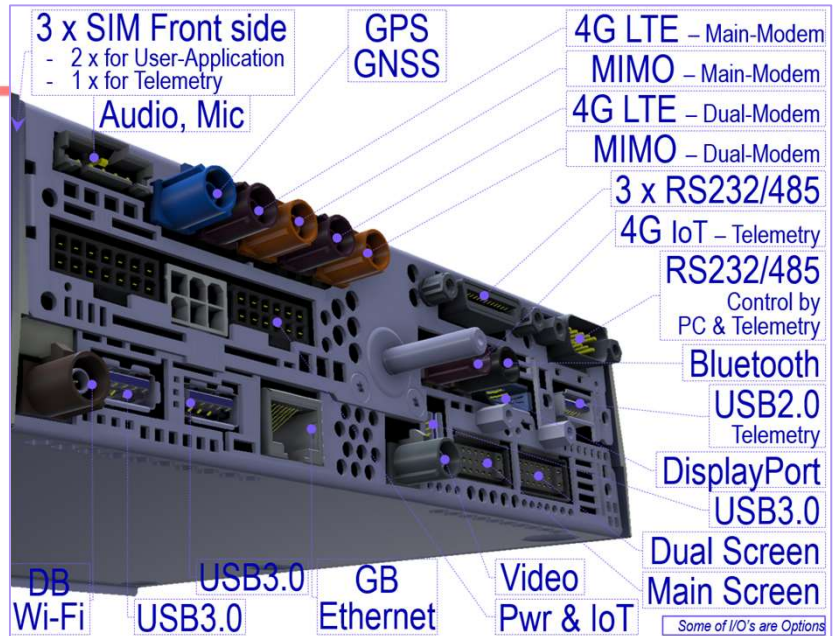
The Multi-LTE Computer have Stand-alone card for installation of Modems.

Modems-slots for Client Applications are M.2 -type making possible for Client to choose suitable Modem.

For Both M.2-modems is dual-antenna connections making MIMO available.
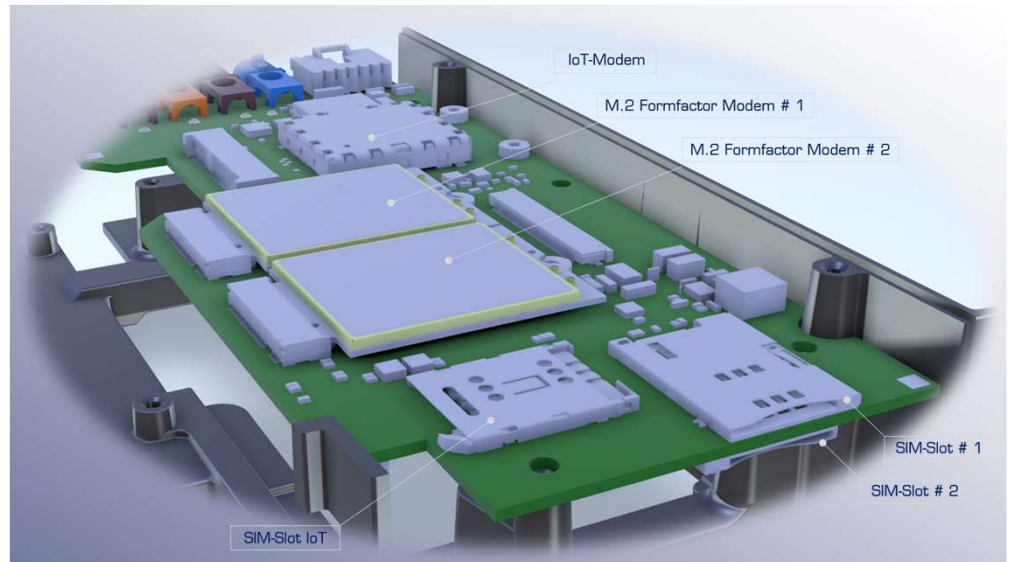
SIM-Cards are easy to install for Client-Modems. They are located at the Front of Computer.

The Multi-LTE Applies both LTE-Only and LTE + Voice Modems.

Mission Critical · In-Service Vehicles · Heavy Transport · Public Service · Machinery & C.E. · Terminal Service · Marine Service · Rail Road · Industry Process · Aviation Service