

# SUNIT

Bridge for Demanding Duties

## PRODUCT CATALOG

Tablets  
FIXED-Mount  
Accessories



**F-Serial & Screens**

7" W-VGA  
10.4" W-VGA  
12.4" W-VGA  
18.5" W-VGA

**IoT Tablet**

**All-in-One Panel-PC**

**Tablet Interface SUNIT Screen**

Tablet / PC  
Gear for Pull Screen  
SUNIT-Screen

**IoT Client Terminal**

**PoE+ Extender**

**USB-HUB's 2.0 / 3.0**

**Cameras**

**Keypads Keyboards**

**Cables & Adapters**

**Statives**

**Antennas**

**FQ Multi-LTE**

**Work Stations**

**FQ Bike**



## SUNIT F-Serial 1-DIN SIZED FIXED MOUNT CPU FAMILY

**SUNIT-F Serial** Computers build on firm and light-weighted geometry designed cast-aluminium mechanics and conformal coated Solid-electronics.

A traditional concept with over 20 years In-Field service experience, have proofed excellent and reliable technology.

Ease and discrete mounting enables safe and invisible placements.

Inbuilt IoT-computer for CAN-Bus, sensors and data-I/O's are ease-to-reach by Client applications.

Rapid 72-channel 3D-GPS with G-sensor and ADR ensures accurate positioning and serves dual GPS-interface for Multitask-Applications

Tri-graphic and Rapid Storage technology with up-to 4 Stand-Alone HMI (2 x Digital-LVDS, Display-Port, Wi-Fi) is efficient and cost-effective solution to exploit shared PC technologies.

CPU Model ( ) = Option	FQA	FQT	FDC	FDB	FQ5	FDD	FMD
CPU	Atom 4x1.9GHz	i7 4x2.0GHz i7 4x3.0 GHz	Celeron-G 2 x 1.6GHz	i3 2 x 1.9GHz	i5 4x2.9GHz	i7 4x2.0GHz	i7 4x3.0 GHz
RAM	4GB	4GB (8 / 16GB)	4GB	4GB	4GB (8GB)	4GB (8GB)	8GB (16GB)
Storage	SSD 256GB (512GB - 1TB)						
WIN O/S	X		X	X	X	X	X
LINUX O/S	X		X	X	X	X	X
Audio-Out	Screen		Screen, Stereo-Line		Screen, Stereo-Line & Audio I/O		
Mic.-In					X	X	X
Screens	1 X	2 X (+3X)	2 X	2 X	3 X	3 X	3 X
Ethernet	X	2 X	X	X	X	X	X
USB	1 X	3 X	4 X	4 X	3 X	4 X	4 X
SIM-slot	1 X	(2 X)	X	X	X	2 X	2 X
Video-In	1 x	1 x	1 X	1 X	1 X	1 x	1 X
Serial conn.	1 X	(1 X / 4 X)	1 X (4 X)	1 X (4 X)	1 X	1 X (4 X)	4 X
Wi-Fi	X	(X)	(X)	(X)	X	X	X
Bluetooth	X	(X)	(X)	(X)	X	X	X
CAN	1 X	1 X (+2X)	1 X (+2X)	1 X (+2X)	2 X	2 X	2 X
Digital-In	3 X	3 X (+2X)	3 X (+2X)	3 X (+2X)	3 X	3 X	3 X
Digital-Out	2 X	2 X (+2X)	2 X (+2X)	2 X (+2X)	2 X	4 X	4 X
Analog-IN		3 X (+1X)	3 X (+1X)	3 X (+1X)	1 X	4 X	4 X
Gyro / Acc.	X	X	X	X	X	X	X
GPS/GNSS	X	X	X	X	X	X	X
Dual-GNSS	X	(X)	X	X	X	X	X
Tele-Modem	4G / LTE	(4G / LTE)	4G / LTE	4G / LTE	4G / LTE	4G / LTE (2 / 3 X LTE)	4G / LTE (2 / 3 X LTE)
IGN-Monitor	X	X	X	X	X	X	X



**ENERGY-EFFICIENT FANLESS INTEL ATOM WIDE-TEMPERATURE INDUSTRY PROCESSING CPU**

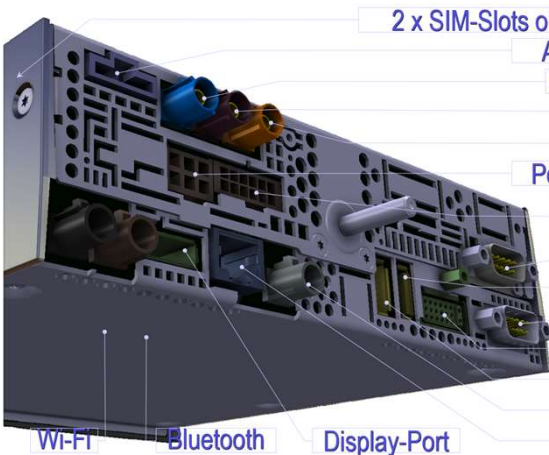
Quad-core Atom E3845 computer offers Fanless, high-performance computing on 1-DIN sized geometrical designed cast aluminium technology and purpose-designed conformal coated electronics.

SUNIT-FA Class delivers performance computing in external range of Industrial environments and Temperatures.

SUNIT-FA Class skills with ultra-low power consumption, exceptional 3D graphics, and powerful media acceleration, delivering a leading advance in performance and cost-efficiency

**SUNIT FQA**

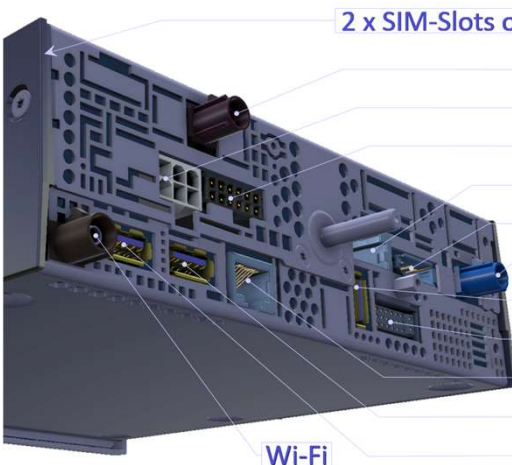
**FANLESS ATOM 4 X 2.0GHZ CPU SERVER**



- 2 x SIM-Slots on the Front side
- Audio I/O w. Mic
- A-GPS w. ADR
- 4G LTE MIMO
- Power 9V ... 36V
- IoT-Interface CAN, Data-I/O, IGN
- RS232/485
- USB2.0
- RS232/485
- Main Screen
- USB3.0
- Video
- Ethernet
- Wide-temperature Intel Atom 64-bit E3845 BayTrail
- 4 x 1.9GHz
- Intel Full-HD Dual-Graphics
- 1 x Screen Interface
- 1 x Video
- Up to 4 x RS232 / 485
- Dual-Band Wi-Fi, BT4.2, GB-Ethernet
- 4G / LTE
- Audio-I/O, Microphone Line-In
- Screen-Audio
- Accurate 72-channels 3D GNNS, ADR
- 3D-Gyro
- CAN, Digital I/O's
- Vehicles; VSS, Gearshift sense, IGN-Sense
- 9 ... 36V / Core-Power monitory

**SUNIT FQAT**

**FANLESS ATOM 4 X 2.0GHZ CPU SERVER**



- 2 x SIM-Slots on the Front side
- 4G / LTE
- Power
- IoT-Interface
- GB-Ethernet
- Display Port
- GPS/GNNS
- USB3.0
- Main Screen
- GB-Ethernet
- USB3.0
- USB3.0
- Wide-temperature Intel Atom 64-bit E3845 BayTrail
- 4 x 1.9GHz
- Intel Full-HD Dual-Graphics
- Tough Smart-Tech CPU-Server
- Conformal-coated Electronics
- 1 x Screen Interface
- 1 x Video
- GB-Ethernet
- Screen-Audio
- CAN, Digital I/O's
- Vehicles; VSS, Gearshift sense, FMS
- Intelligent Power-Moding
- 9 ... 36V / Core-Power monitory
- Mounting; 1-DIN, Surface-Kit, Robust-Kit

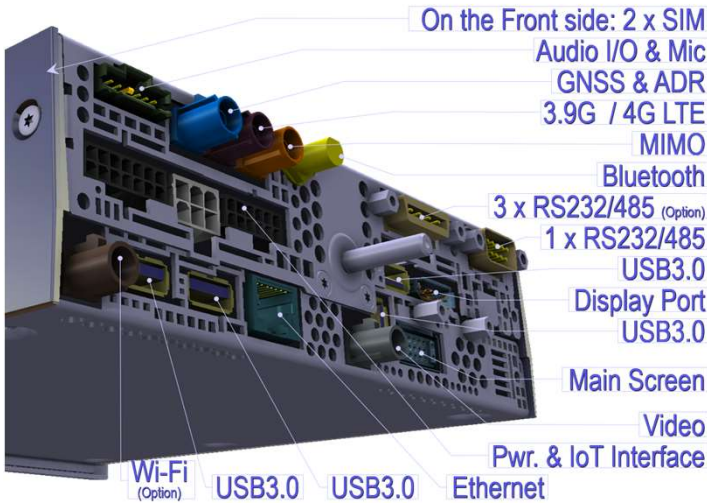
**FD Class**



**ECONOMICAL PREMIUM-CLASS COMPUTERS WITH INTEL DUAL-CORE CAPACITY**

**SUNIT FDC**

**INTEL CELERON 2 X 1.65GHz CPU SERVER**

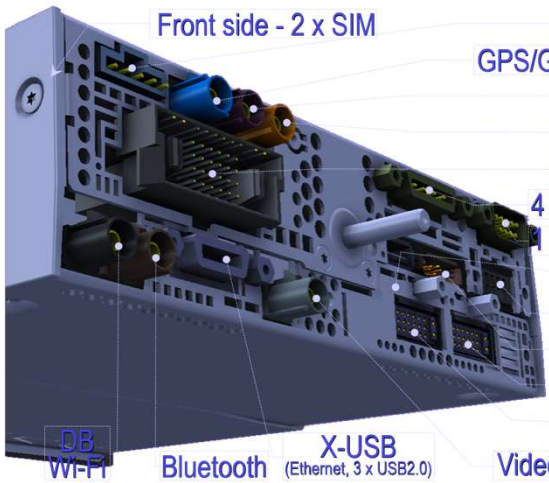


- On the Front side: 2 x SIM
- Audio I/O & Mic
- GNSS & ADR
- 3.9G / 4G LTE
- MIMO
- Bluetooth
- 3 x RS232/485 (Option)
- 1 x RS232/485
- USB3.0
- Display Port
- USB3.0
- Main Screen
- Video
- Pwr. & IoT Interface
- Ethernet

- Wide-temperature Intel® Celeron-G G3902E SkyLake
- 2 x 1.6GHz
- Intel HD Graphics 510
- Tough Smart-Tech CPU-Server
- Conformal-coated Electronics
- 2 x Screen Interfaces
- 1x Stand-alone Video
- Dual-Band Wi-Fi, BT4.2, GB-Ethernet
- 4G / LTE
- Stereo-Lines, Audio-I/O, Microphone-In
- Screen-Audio
- Accurate 72-channels 3D GNNS, ADR
- 3D-Gyro
- 1 x CAN, D-IO's, An-In's
- Vehicles; VSS, Gearshift sense, FMS
- Intelligent Power-Moding
- 9 ... 36V / Core-Pwr. monitority

**SUNIT FD2**

**INTEL I7 2 X 2.5GHz CPU SERVER**

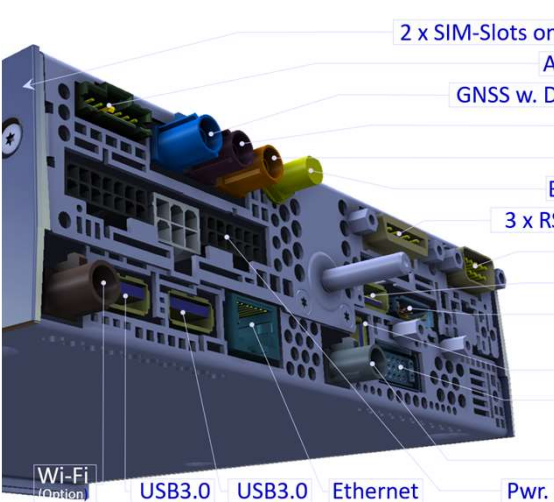


- Front side - 2 x SIM
- Audio I/O
- GPS/GNSS w. ADR
- 4G LTE
- MIMO
- Power & IoT
- 4 x RS232/485
- 1 x RS232/485
- USB 3.0
- 4 x Video
- Display Port
- Dual Screen
- Main Screen
- DB Wi-Fi
- Bluetooth
- X-USB (Ethernet, 3 x USB2.0)
- Video

- 3rd Generation Wide-tmp Intel® IVY-Bridge Core i7
- 2 x 2,5 GHz
- Intel HD Tri-graphic
- Smart Tri-Screen Technology
- Accurate AGPS / GNNS w. ADR
- 1 x Video
- 2 x CAN, D-IO's, An-In's
- 3G HSPA / 4G LTE
- Stereo-Lines, Audio-I/O with Wake-Up signal & Mic
- Screen-Audio
- 3 x Screen Interfaces
- Tough Smart-Tech CPU-Server
- Intelligent Power-Moding
- 9 ... 36V / Core-Pwr. monitority

**SUNIT FD3**

**INTEL i3 2 X 1.9GHz CPU SERVER**



- 2 x SIM-Slots on the Front side
- Audio I/O & Mic
- GNSS w. Dead Reckoning
- 4G LTE
- MIMO
- Bluetooth (Option)
- 3 x RS232/485 (Option)
- 1 x RS232/485
- USB3.0
- Display Port
- USB3.0
- Main Screen
- Video
- Pwr. & IoT Interface
- Ethernet

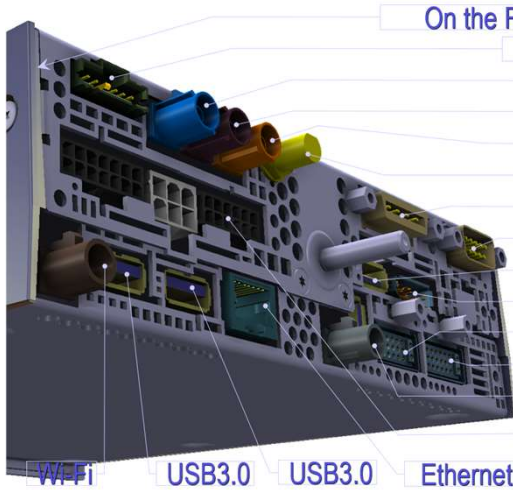
- 6th Gen. Wide-temp. Intel® i3 6102E SkyLake H
- 2 x 1.9GHz
- Intel HD Graphics 530
- Tough Smart-Tech CPU-Server
- Conformal-coated Electronics
- 2 x Screen Interfaces
- 1 x Video-In
- Dual-Band Wi-Fi, BT4.2, GB-Ethernet
- 4G / LTE
- Stereo-Lines, Audio-I/O, Microphone-In
- Screen-Audio
- Accurate 72-channels 3D GNNS, ADR
- 3D-Gyro
- 2 x CAN, D-IO's, An-In's
- Vehicles; VSS, Gearshift sense, FMS
- Intelligent Power-Moding
- 9 ... 36V / Core-Pwr. monitority



**HEAVY-DUTY COMPUTERS WITH INTEL QUAD-CORE CAPACITY**

**SUNIT FQ5**

**INTEL i5 4 X 1.9GHZ CPU SERVER**

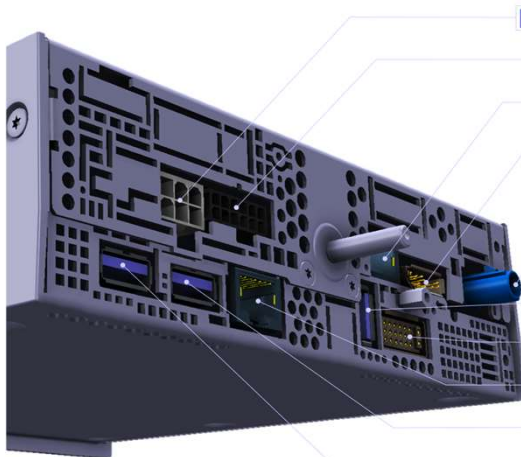


- On the Front side: 2 x SIM
  - Audio I/O w. MIC
  - GNSS w. ADR
  - 4G LTE
  - MIMO
  - Bluetooth
  - 3 x RS232/485
  - 1 x RS232/485
  - USB3.0
  - Display Port
  - Main Screen
  - Dual Screen
  - Video
  - IoT Interfaces (Power, CAN, Data-I/O)
- 6th Gen. Wide-temp. Intel® i5 6442EQ Skylake
  - 4 x 2.9GHz
  - Intel HD Graphics 530
  - 3 x Screen Interfaces
  - Up to 4 x Stand-alone Video
  - Up to 4 x RS232 / 485
  - Dual-Band Wi-Fi, BT4.2, GB-Ethernet
  - 4G / LTE. Dual-SIM
  - Stereo-Lines, Audio-I/O, Screen-Audio
  - Accurate 72-channels 3D GNNS, ADR
  - 3D-Gyro
  - 2 x CAN, D-IO's, An-In's
  - Vehicles; VSS, Gearshift sense, IGN-Sense
  - 9 ... 36V / Core-Pwr. monitory

Wi-Fi USB3.0 USB3.0 Ethernet

**SUNIT FQ7**

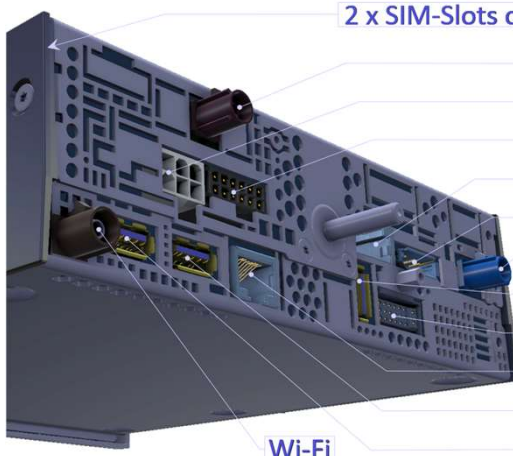
**DUAL GB-ETHERNET INTEL i7 CPU SERVER FOR INDUSTRY**



- Power Interface
  - IoT-Interface
  - GB-Ethernet
  - Display Port
  - GPS/GNNS
  - USB3.0
  - Main Screen
  - GB-Ethernet
  - USB3.0
  - USB3.0
- CPU:
  - Intel® i5-7440EQ Kaby Lake-H, 4x2.9GHz
  - Intel® i7 6822EQ Skylake-H 4x2.0GHz
  - Intel® i7 7820EQ Kaby Lake-H 4x3.0GHz
  - Intel Full-HD Dual-Graphics
  - 2 x GB-Ethernet for Multiple Gateways
  - 2 x Screen Interfaces
  - 1 x Video
  - Dual-Band Wi-Fi, BT4.2
  - Screen-Audio
  - Accurate 72-channels 3D GNNS, ADR
  - 3D-Gyro
  - 2xCAN, Digital I/O's
  - Vehicles; VSS, Gearshift sense, IGN-Sense
  - 9 ... 36V / Core-Power monitory

**SUNIT FQ7i**

**DUAL GB-ETHERNET INTEL i7 CPU SERVER FOR FIELD INDUSTRY**



- 2 x SIM-Slots on the Front side
  - 4G / LTE
  - Power
  - IoT-Interface
  - GB-Ethernet
  - Display Port
  - GPS/GNNS
  - USB3.0
  - Main Screen
  - GB-Ethernet
  - USB3.0
  - USB3.0
- Wide-temp. Intel® i7 6822EQ Skylake 4x2.0GHz
  - or
  - Wide-temp. Intel® i7 7820EQ KabyLake H 4x3.0GHz
  - Intel Full-HD Dual-Graphics
  - 2 x GB-Ethernet for Multiple Gateways
  - 2 x Screen Interfaces
  - 1 x Video
  - Dual-Band Wi-Fi, BT4.2
  - 4G / LTE. Dual-SIM
  - Screen-Audio
  - Accurate 72-channels 3D GNNS w. ADR & Gyro
  - 3D-Gyro
  - 2 x CAN, D-IO's, An-In's
  - Vehicles; VSS, Gearshift sense, IGN-Sense
  - 9 ... 36V / Core-Pwr. monitory

Wi-Fi

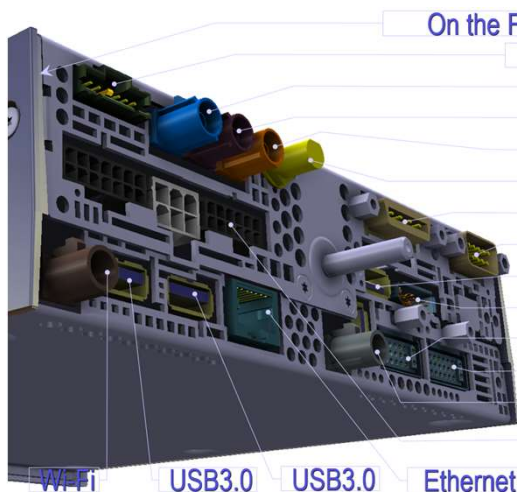
**FQ Class**



**HEAVY-DUTY COMPUTERS WITH INTEL QUAD-CORE CAPACITY**

**SUNIT FDQ**

INTEL i7 4 X 2.0GHz CPU-SERVER



- On the Front side: 2 x SIM
- Audio I/O w. MIC
- GNSS w. ADR
- 4G LTE
- MIMO
- Bluetooth
- 3 x RS232/485
- 1 x RS232/485
- USB3.0
- Display Port
- Main Screen
- Dual Screen
- Video
- IoT Interfaces (Power, CAN, Data-I/O)
- 6th Gen. Wide-temp. Intel® i7 6822EQ Skylake
- 4 x 2.0GHz
- Intel HD Tri-graphic
- 3 x Screen Interfaces
- Up to 4 x Stand-alone Video
- Up to 4 x RS232 / 485
- Dual-Band Wi-Fi, BT4.2, GB-Ethernet
- 4G / LTE. Dual-SIM
- Stereo-Lines, Audio-I/O, Screen-Audio
- Accurate 72-channels 3D GNSS, ADR
- 3D-Gyro
- 2 x CAN, D-IO's, An-In's
- Vehicles; VSS, Gearshift sense, IGN-Sense
- 9 ... 36V / Core-Pwr. monitory

Wi-Fi USB3.0 USB3.0 Ethernet

**FM-EAGLE Class**

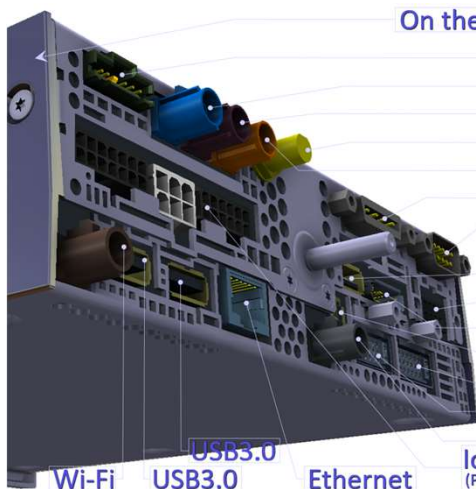
**FOR CRITICAL COMMUNICATION IN MISSION-CARITICAL DUTY**



SUNIT FMD is designed for Applications that call for powerful graphic processing, High-speed Arithmetic, Multi-HMI as Mission Critical and ANPR.

**SUNIT FMD**

INTEL i7 4 X 3.0GHz FOR INTELLIGENCE DUTIES



- On the Front side: 2 x SIM
- Audio I/O w. MIC
- GNSS w. ADR
- 4G / LTE
- Bluetooth
- MIMO
- 3 x RS232/485
- 1 x RS232/485
- USB3.0
- 3 x Video
- Display Port
- USB3.0
- Dual Screen
- Main Screen
- Video
- 7th Gen. Wide-temp. Intel® i7 7820EQ Kaby Lake H
- 4 x 3.0GHz
- Intel HD Tri-graphic
- 3 x Screen Interfaces
- Up to 4 x Stand-alone Video
- Up to 4 x RS232 / 485
- Dual-Band Wi-Fi, BT4.2, GB-Ethernet
- 4G / LTE. Dual-SIM
- Stereo-Lines, Audio-I/O, Screen-Audio
- Accurate 72-channels 3D GNSS w. ADR & Gyro
- 3D-Gyro
- 2 x CAN, D-IO's, An-In's
- Vehicles; VSS, Gearshift sense, IGN-Sense
- 9 ... 36V / Core-Pwr. monitory

Wi-Fi USB3.0 Ethernet IoT Interfaces (Power, CAN, Data-I/O)

**FQ Critical Comms**  
SOLUTIONS FOR MISSION-CRITICAL DUTIES



**SUNIT FQ Bike-Assist**

MISSION CRITICAL CPU SERVER / VOICE-ROUTING & DAB+

Front side 2 x SIM

- DB Wi-Fi
- USB3.0
- GB Ethernet
- Pwr & IoT
- Video
- Bluetooth
- GPS/GNSS
- LTE / 4G
- MIMO
- FM-Antenna
- USB2.0
- USB2.0
- RS232 / 485
- Helmet-Conn.
  - ✓ Audio-Control
  - ✓ PTT-Control
  - ✓ TETRA Interface
- Dual Screen
- Main Screen
- USB3.0

- Wide-temp. Intel® i7 6822EQ Skylake 4x2.0GHz
- or
- Wide-temp. Intel® i7 7820EQ KabyLake H 4x3.0GHz
- Intel Full-HD Dual-Graphics
- GB-Ethernet
- 2 x Screen Interfaces
- FM-DAB+ Interface
- Voice-Router & PPT Controller for Tetra (Option)
- 1 x Video
- Dual-Band Wi-Fi, BT4.2
- Stereo-Lines, Screen-Audio
- Accurate 72-channels 3D GNSS, ADR
- 3D-Gyro
- 2 x CAN, D-IO's, An-In's
- Vehicles; VSS, Gearshift sense, IGN-Sense
- 9 ... 36V / Core-Pwr. monitory

SUNIT FQ Bike-Assist is computer for Patrol-bike service. The Computer is featured by FM-receiver with DAB+ traffic messaging for Navigation Applications and Voice-control to select prioritized voices between Navigator, Phone, PC and Tetra.

Suitable Computers:

**FQ5, FDQ, FMD**

**SUNIT FQ Multi-LTE**

ALWAYS CONNECTED ON CRITICAL COMMUNICATION



MULTI-LTE solution ensures for Critical communication required All-time connections.

There is Up-to 3 modems, 2 for Client applications and 2 for IoT.

There is Individual SIM-Slots for all 3 Modems

3 x SIM Front side  
- 2 x for User-Application  
- 1 x for Telemetry

Audio, Mic

GPS GNSS

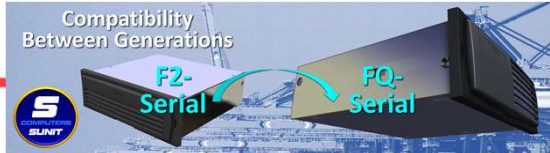
- DB Wi-Fi
- USB3.0
- GB Ethernet
- Video
- Pwr & IoT
- 4G LTE – Main-Modem
- MIMO – Main-Modem
- 4G LTE – Dual-Modem
- MIMO – Dual-Modem
- 3 x RS232/485
- 4G IoT – Telemetry
- RS232/485
- Control by PC & Telemetry
- Bluetooth
- USB2.0
- Telemetry
- DisplayPort
- USB3.0
- Dual Screen
- Main Screen

- 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-channels 3D GNSS
- 3D-Gyro
- Vehicles; VSS, Gearshift sense, FMS
- Intelligent Power-Moding
- 9 ... 36V / Core-Power monitory

Suitable Computers:

**FQ5, FDQ, FMD**



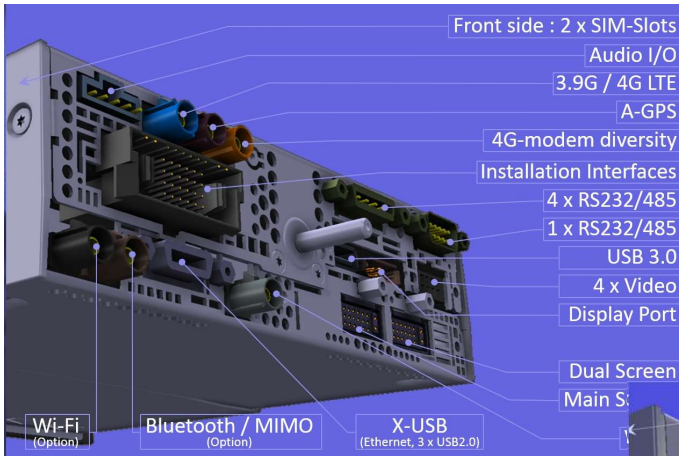
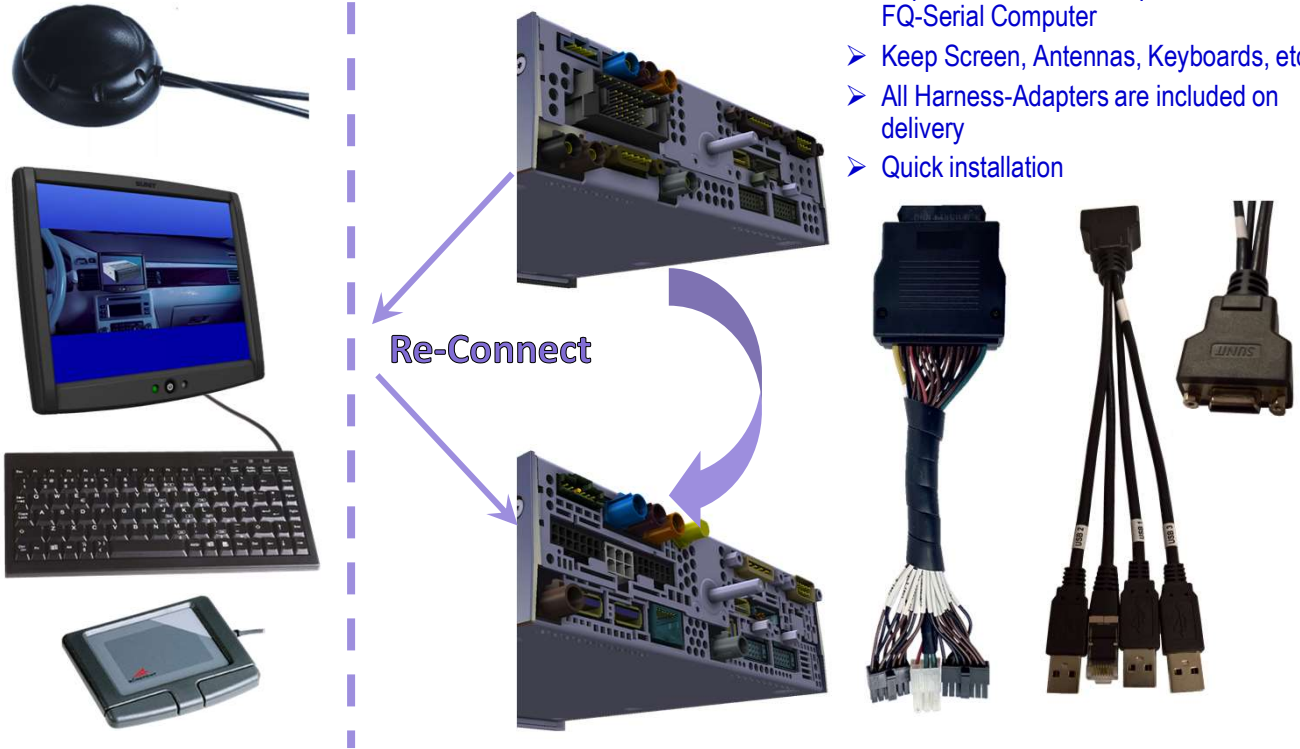


# GENERATION UPGRADE

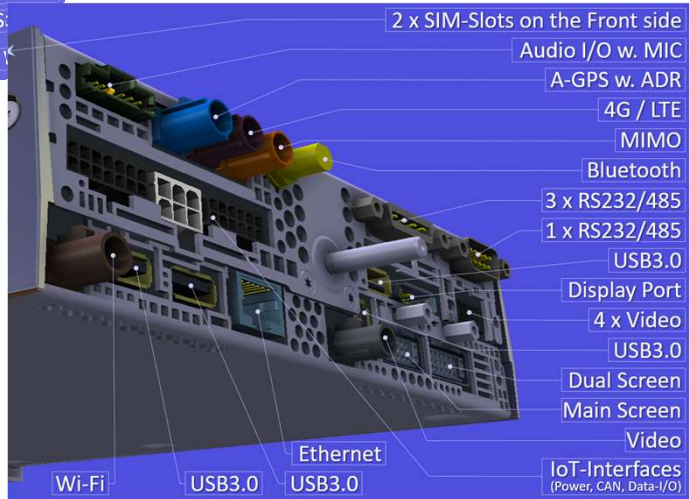
## F2 to FQ -Serial

### REPLACE CPU – KEEP OTHER STUFF

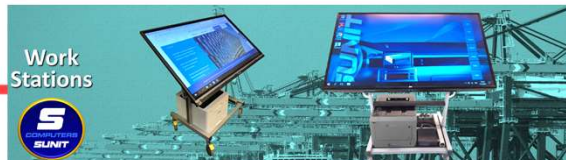
- Replace F2 –serial Computer with new FQ-Serial Computer
- Keep Screen, Antennas, Keyboards, etc.
- All Harness-Adapters are included on delivery
- Quick installation



**F2-Serial**



**FQ-Serial**



# SUNIT WorkStation

## MOBILE RUGGED TOUCH-STATION 55" GORILLA-GLASS SCREEN

SUNIT Workstation is Mobile, waterproof and ruggedized touch computing unit for harsh environmental industry, as Constructions, Mining's, Engineering's etc.

Powerful SUNIT-Computer technology performs even the most demanding 3D-graphical Applications.

GB-Ethernet, Wi-Fi and LTE warrants communication by an appropriate available infra.

Hard coated PCAP Water & Dustproof Screen opens the usability even on most demanding environments.



- 9th Generation Intel® Core™ i7-9700E Coffee Lake
- 8-core, 8 x 2.6GHz (Turbo: 8 x 4.4GHz)
- Intel® UHD Graphics 630
- NVIDIA Quadro P2000 Video with NVIDIA Mosaic
- GPS, LTE, Wi-Fi, Dual GB-Ethernet
- Stereo-Sound & Microphone
- Projective Capacitive (PCAP) touch
  - 15-finger Touch technology
  - Gorilla-Glass, 60950-1 ball-drop proof, scratch-resistant, edge-to-edge glass
  - Touch by Finger / Stylus / Glove (latex)
- Resolution 3840 x 2160 / @60Hz / 4K UHD
- Brightness (cd/m<sup>2</sup>) 500nits
- Excellent View Angels 89/89/89/89 Degrees
- IPS-LED Backlights for Best Colour & Viewing angles
- IP54, Conformal Coated Electronics
- Easy to move and Stable-stationary
- AC-Powered / 220V





# SUNIT SCREENS

RELIABLE TOUCH-SCREENS FOR HARSH DUTIES



- Excellent Wide Viewing Angles
- High-Bright & Super-Bright
- Auto-ambient & Manual Brightness control
- OSD (On-Screen-Display) -technology
  - Touch-on-Windows
  - Touch-on-OSD
- Touch Interface
- Full Digital LCD TFT Screen
- Smart Powered
- Loud Speakers
- Conformal Coated electronics

	Sunit 7 Wide	Sunit 10	Sunit 12	Sunit 19 Wide
Type	7,0" Wide TFT	10,4" TFT	12,1" TFT	18,5" TFT
Resolution	WVGA(16:9) 800x480	XGA(4:3) / 1024x768	XGA(4:3), 1024x768	W-XGA(16:9), 1366x768
Weight	485 g	1,2 kg	1,6 kg	< 3,0 kg
Dimension	183 x 121 x 42 mm	244 x 202 x 46 mm	284 x 237 x 46 mm	475 x 310 x 55 mm
Interface	Full Digital Interface, LVDS			
User Interface	Resistive touch screen Non-Clare			
Visibility angle	Horizontal +70° / -70°	Horizontal +88° / -88°	Horizontal +88° / -88°	Horizontal +88° / -88°
	Vertical +60° / -60°	Vertical +88° / -88°	Vertical +80° / -80°	Vertical +80° / -80°
Brightness	Adjusted by Auto Ambient controlled / Manual			
Housing	PC/ABS - C2950 V0+UV			
Compliant	ECE 10R-04, ISO-16750, FCC CE			



### Sunit-OSD (On-Screen-Display).

The OSD with Touch makes possible for applications outside traditionally O/S environment for e.g. CAN-Bus communications, Messaging, Reversing Camera, etc.

The Screen Adjustments by OSD for Brightness, Contrast and Volume are Screen-Individually.

**12.1" Super-bright 1400NIT Screen**  
—  
**for Luminous-Intensive Conditions.**



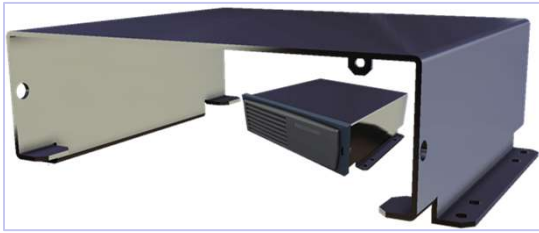
Soft Impact / Sun Cover For Ergonomics.



Connect SUNIT-Screen on Tablet –PC / Toughbook as a Dual-Screen!

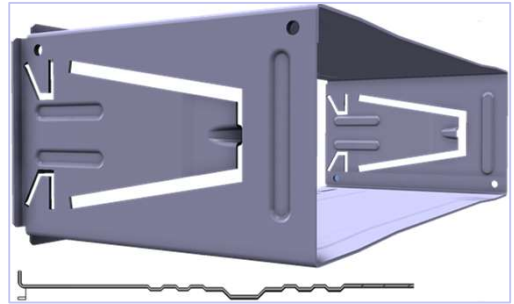


# F-Serial SIDEPARTS

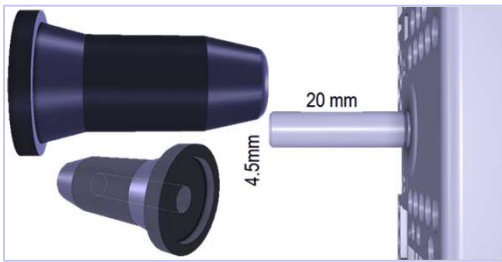


F-Serial CPU-Surface Mounting Case. Aluminium.

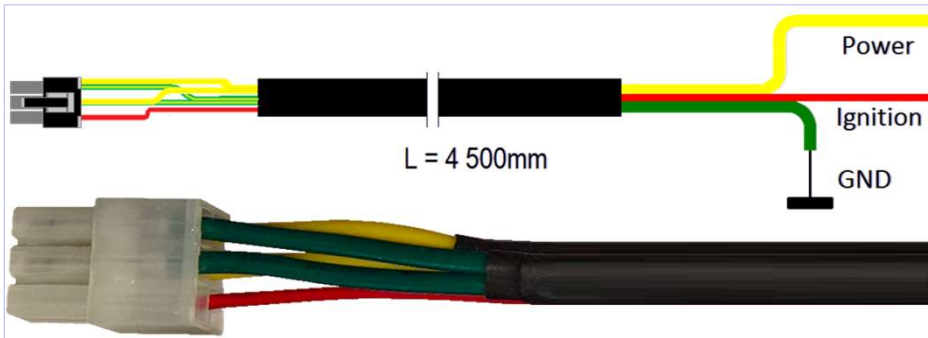
1-DIN Sized Mounting Frame & Removal Tools. Suits for all 1-DIN devices.



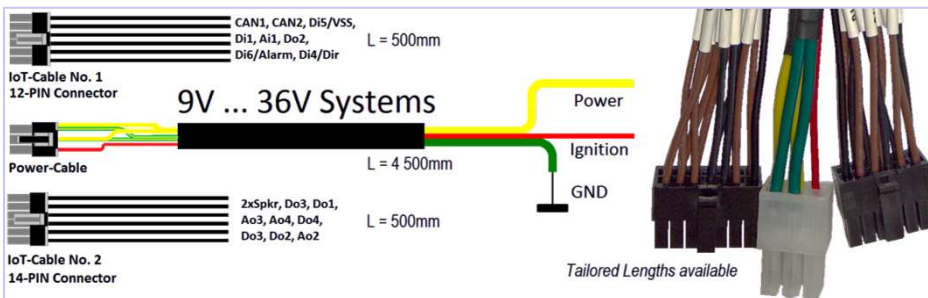
Robust CPU-Mounting Kit. Aluminium. For installation on High-Impacting Environments.



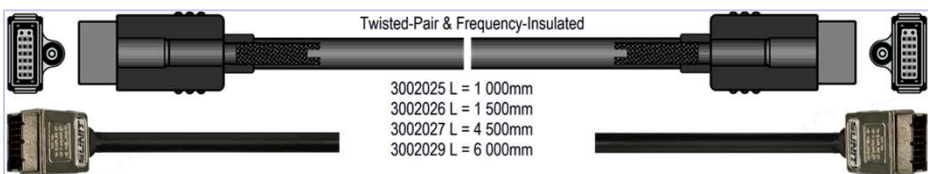
Shock Absorber for 1-DIN Sized CPU. Suits for all 1-DIN devices.



9V .. 36V Power Cable harness.



9V .. 36V Power Cable harness with IoT Harnesses (CAN, Digital-I/O's, etc.).



F-Serial Screen Cable..



**SUNIT-WorkBook Tablet-PC for Industry and Field.**  
High-Brightness Wide-View Touch-Screen technology for demanding environments.

## SUNIT WorkBook Q8

QUAD-CORE WINDOWS TABLET-PC



- Intel Atom® Processor X Series x5-Z8350
- Intel HD Graphics 400 (Braswell)
- High-Bright Screen, 850cd LED.
- 5-Point Touch
- Microphone, Audio
- Front & Rear Cameras
- 4g, LTE
- Dual-Band Wi-Fi, BT4.1
- Stereo-Lines, Screen-Audio
- Accurate 72-channels 3D GNSS, ADR
- Vehicles; 9 ... 36V

## SUNIT WorkBook Q8A

QUAD-CORE ANDROID TABLET-PC



- 4x 2.0 GHz ARM Cortex-A73
- 4x 2.0 GHz ARM Cortex-A53
- Cores: 8
- ARM Mali Graphics. G72 MP3, 800 MHz, Cores: 3
- Full support for 2D/3D graphics applications
- High-Bright Screen, 850cd LED.
- 5-Point Touch
- Microphone, Audio
- Front & Rear Cameras
- 4g, LTE
- Dual-Band Wi-Fi, BT4.1
- Stereo-Lines, Screen-Audio
- Accurate 72-channels 3D GNSS, ADR
- Vehicles; 9 ... 36V

## SUNIT WorkBook Q10

QUAD-CORE WINDOWS TABLET-PC



- Intel Atom® x7-E3940 Processor
- 4 x 1.8GHz
- Intel HD Graphics 500
- Front & Rear Cameras
- Micro-SD, DC Jack, Line-Out, uHDMI
- USB-2.0 Micro
- Audio with Speakers, Microphone
- Wi-Fi & Bluetooth, Ethernet, 4G / LTE, SIM
- Accurate 72-channels 3D GNSS
- 1\* red/green LED for power & system status
- 2 x Bright Lights on Bottom side for Desk-lightning
- 10.1" WUXGA. 1920 x 1200 resolution.
- 850cd LED. Dual-Channel LVDS.
- Capacitive Touch (Multi-touch)



## SUNIT All-in-One Panel-PC for Industry and Fleet.

Fixed-Mount Panel-PC is ideal HMI-Monitor for tough working demands. Low-Voltage technology and Intelligent power management maintains Long-time service and safe Power supply.

## SUNIT-AT7

### QUICK-START 4 X 1.6GHz ALL-IN-ONE PANEL-PC



- Open Architecture Computing
- Intel Atom x7-E3950, Apollo Lake, 4 x 1,6 GHz.
- 2D and 3D Graphics
- Touch Screen
- 7" Full Digital LCD Screen
- Loud Speakers
- 72-Channel GPS / GLONASS
- 4G/LTE
- Integrated 3G Gyro
- IGN-Start
- CAN, USB, LAN, Serial Interfaces
- 9 ... 36V / Core-Pwr. monitory



## SUNIT-T

### QUICK-START ALL-IN-ONE PANEL-PC



- Open Architecture Computing
- Freescale i.MX53 Quick-start Core-CPU
- 1GB NAND, expand SD-Card
- 2D and 3D Graphics
- Touch Screen
- 7" and 10" Full Digital LCD Screen
- Loud Speakers
- USB, LAN
- Stative / Vesa Mounting
- Wide temperature
- 72-Channel GPS / GLONASS
- Integrated 3G
- IGN-Start
- 9 ... 36V / Core-Pwr. monitory



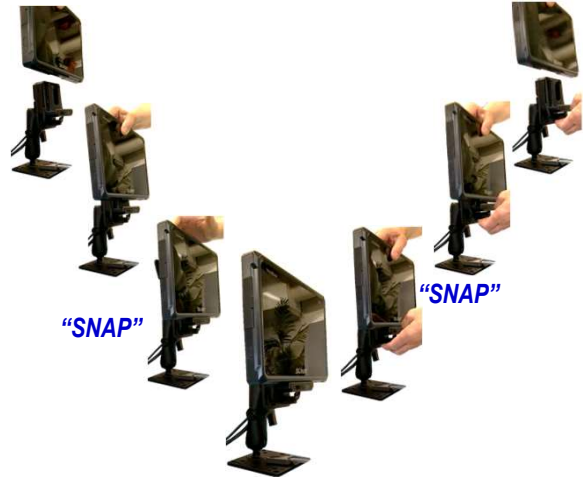


# SUNIT-SNAP

QUICK TABLET-PC VEHICLE & DESK STATIVE



- Stative for SUNIT-Workbook Tablet-PC
- Quick Fixing & Release ("SNAP")
- Cable Harness with Power, USB, RS



# SUNIT KEY-RACK

RACK FOR KEYBOARD ON STATIVE



- Keyboard-rack, for Tablet-PC & Screen
- Light-weight, Aluminum



# SUNIT STATIVES



1" L 60  
4-Hole Q-38  
4-Hole D 50



1" L 85  
4-Hole Q-38  
4-Hole D 50



1" L 140  
4-Hole Q-38  
4-Hole D 50



1.5" L 65  
4-Hole Q-38  
4-Hole Q 100



1.5" L 150  
4-Hole Q-38  
4-Hole Q 100



1.5" L 170  
4-Hole Q-38  
4-Hole Q 100



1.5" L 57  
VESA Q 75 x 100  
4-Hole Q 100



1.5" L 125  
VESA Q 75 x 100  
4-Hole Q 100



1.5" L 150  
VESA Q 75 x 100  
4-Hole Q 100



1.5" L 125  
4-Hole D 54  
4-Mortice D 54  
Aluminium



Mini Stative





SUNIT IoT Client-Terminal Open-Architecture Computing  
Designed for Internet-of-Things on Demanding environments within Industry, Fleet and Machinery.

## SUNIT-iVia

IoT CLIENT-TERMINAL



- Open Architecture
- Freescale i.MX355 ARM11, @ 532MHz
- GNSS + ADR
- 3G HSPA + Wireless Data
- 3-Axis Accelerometer sensor
- Ethernet & WLAN
- Sunit-TLINK Vehicle-interface Application
- 2 x CAN, Analog & Digital-I/O's, Speed-In
- 9 ... 36V Core-Pwr. Watch-dock
- Status-LED's
  - 4 x Programmable (R/G/R/G)
  - 1 x reserved for MCU



## SUNIT LVDS-Gear

DUAL-SCREENING FOR TABLETS

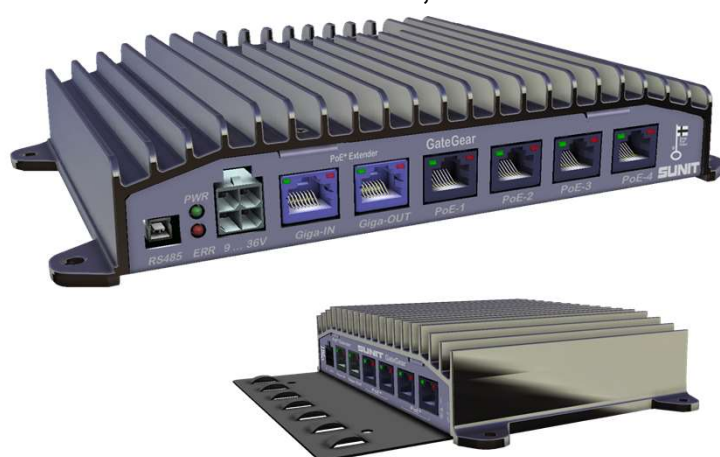


- Connected on USB3.0 or Display-Port Interface
- Transfer of:
  - Graphic
  - Voice
  - Touch
- Self-Powered 9V ... 36V
- Conformal-coated Electronics
- Strain-reliefs for Harnesses
- For Harsh Conditions
- Impact-resist Casing



## SUNIT Gate-Gear

POE+ INJECTOR FOR INDUSTRY, FLEET & INFRA

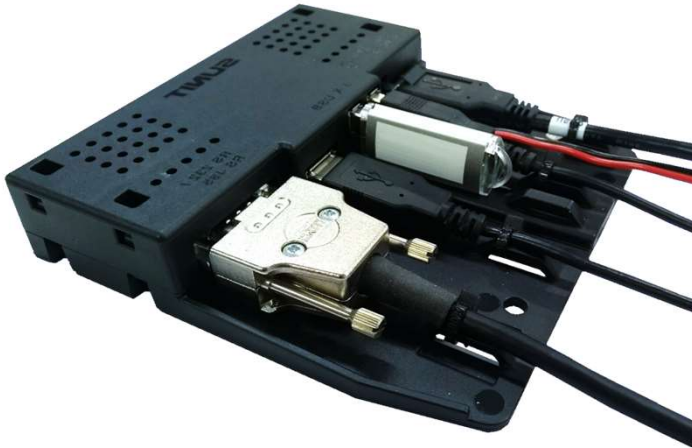


- Plug and play PoE+ network devices
- 4 x PoE+ Ethernet port
- 2 x Gigabit Ethernet port
  - 1 x Upstream
  - 1 x Downstream)
- Supplies Downstream-power to
  - PoE, up to 15 W per device
  - PoE+, up to 30 W per device
- Metal enclosure
- Conformal-coated Electronics
- Net-connection up to 100 meters
- For wide operating temperature range of -40 to 75 °C
- LED indicators confirm PoE and network connectivity
- Individual PoE+ I/O Control from User-application
  - Control via Serial Interface



## SUNIT USB2.0 HUB

SELF-POWERED FOR INDUSTRY & FLEET



- 3 x USB2.0
- 1 x RS-232/485
- USB-2.0 Upstream
- For Harsh Conditions
- Self Powered
- High-Powered Downstream for rough devices
- Compatible with Windows and Linux
- Conformal-Coated Electronics
- Casing: PC/ABS – V0+UV
- Strain-reliefs for Harnesses

## SUNIT USB3.0 HUB

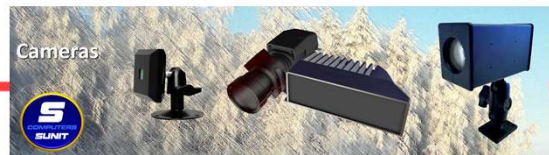
SELF-POWERED FOR INDUSTRY & FLEET



- 3 x USB2.0
- 4 x USB3.0
- USB-3.0 Upstream
- For Harsh Conditions
- Self Powered
- High-Powered Downstream for rough devices
- Compatible with Windows and Linux
- Conformal-Coated Electronics
- Casing: PC/ABS – V0+UV
- Strain-reliefs for Harnesses

## SUNIT-FOX

SUPER-SENSE IR-CAMERA



**SUNIT-FOX**, 1/2" CCD for capturing. LED-IR's Flashing is Videoframe-synchronized. It is capable of being controlled via RS-485 Interface.

- Signal type: Composite video/50 fps
- 22.2-6mm Focal Length with 2.7x Zoom
- 1/2" CCD Sensor
- 132° Angle of View
- Auto/Manual White Balance and Exposure, gamma
- Composite video output
- RS-485 Control
- 2.7x optical zoom F1.3 to T360
- Manual focus
- IR-Light Operational Distance 15 m
- LED- IR
- IR-Light Flashes Frame-synchronized

## SUNIT-SECUR

SUPERSENSE WATERPROOF CAMERA



Full-HD latest Sony FCB-EV7520A technology. 30X Optical Zoom enables a Long-distance monitoring.

- Full HD (1080/60p) images
- Approx. 2.13 Megapixels
- Day/Night Clear vision
- 12x digital zoom. (360x with optical zoom)
- 30x optical zoom
- 1/1 s to 1/10,000 s, 22 steps Electronic Shutter
- Backlight Compensation
- Autofocus
- E-Flip, Nega Art, Black & White, Mirror image, Color enhancement
- Auto & Manual Exposure Control
- S/N Ratio More than 50 dB
- Pixel-by-pixel Visibility Enhancer and De-fog
- Built-in image stabilizer
- Aluminium Casing

## SUNIT-SCOUT

HIGH-RESOLUTION SURVEILLANCE CAMERA



Full-HD latest Sony FCB-EV7520A technology. **SUNIT-Camera Application** with Pre-settings enables quick one-touch swap between environmental influence.

- Full HD (1080/60p) images
- Approx. 2.13 Megapixels
- Day/Night Clear vision
- 12x digital zoom. (360x with optical zoom)
- 30x optical zoom
- 1/1 s to 1/10,000 s, 22 steps Electronic Shutter
- Backlight Compensation
- Autofocus
- E-Flip, Nega Art, Black & White, Mirror image, Color enhancement
- Auto & Manual Exposure Control
- S/N Ratio More than 50 dB
- Pixel-by-pixel Visibility Enhancer and De-fog
- Built-in image stabilizer
- PC/APS Casing



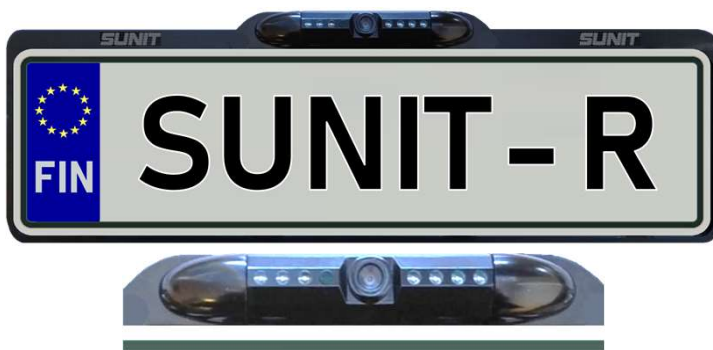
**SUNIT MINI-SCOUT**  
SMALL-SIZE WATERPROOF CAMERA



Small-sized (42 x 42 x 35 mm) Mini-Camera. Waterproof Mini-camera for Out- and Indoor surveillance.

- Driver Free USB3.0 cam 2MegaPixels MJPEG
- 50fps 1080P
- Sony IMX291 Sensor
- Support OTG function
- 6mm Lens
- 1920(H)x1080(V)
- 50 fps
- Electronic rolling shutter / Frame exposure
- USB Bus Power

**SUNIT-R**  
IR-REVERSING CAMERA



**SUNIT-R**, Car-Plate IR-Camera. Day-Around reversing camera.

- Vertically adjustable Camera-Kit
- Strong Infra-Red for Night-Visio
- PAL-Color Camera
- 132° Angle of View
- LED-IR Lights for night visual
- Wire-Connectors as Ordered.
- Harness-Length as Ordered.



**SUNIT-IC360**  
INDOOR SURVEILLANCE IR-CAMERA



**SUNIT-IC360**, Small Indoor Color-Camera. Discrete-Mounted Indoor Camera. Life-saving IR-Camera for Public areas and Cabins.

- Image device: 1/4" CMOS
- Picture pixels: 640 x 480
- Signal system: NTSC/ PAL
- Synchronization system: Internal
- Horizontal definition: 420 TV lines
- Minimum illumination: 0.2 lux
- S/N ratio: Better than 45 dB
- Back light compensation: Automatic
- Viewing angle: 120 -170°
- Water-proof grade: IP67
- Video output: 1vpp 75Ω



**SUNIT-360**  
LENS-ROTATING SURVEILLANCE CAMERA



**SUNIT-360** mini Surveillance camera. Camera for areas where the mounting should be invisible and unnoticeable.

- Anti fog glass.
- Signal system: NTSC/ PAL
- CCD imaging sensor
- 3D noise reduction
- Image Sensor: CCD 7080D TV system
- Horizontal Resolution: 600 TV lines
- View Angle: 150 degree
- White Balance: Auto
- Bright color separation





## Rugged Keyboard

FULLY RUGGED COMPOSITE KEYBOARD



- Ruggedized industrial keyboard
- Robust ABS Polycarbonate casing
- IP68 water proof sealed
- NVIS-Compliant Backlit Keyboard
- Industrial silicone Key-Enclosure
- Tactile key feel, key travel 1.0mm
- Multi-touch touchpad (mouse and scroll)
- VESA 75 and AMPS mounting provisions
- 297 x 192 x 22 mm, 0,77kg
- Applications: Medical, Military, Industrial, Fleet

## Semi-Rugged Keyboard

KEYBOARD FOR INDUSTRY FLEET AND MEDICS



- Fully Sealed
- LED-Lighted, adjustable
- For Fleet and Industry
- Tactile key feel, key travel 1.0mm
- USB-Connected
- Touchpad
- 373 x 138 x 23 mm - 0,68kg
- Excellent Tactile Key-Feel
- Cable length: Standard 2.0m
- White-coloured for Med's

## ACK-540 Mouse-Keyboard

COMMERCIAL MOUSE-KEYBOARD FOR INDUSTRY AND FLEET



- Integrated Touchpad
- Low-profile tactile keys
- Membrane key switches
- Space-saving Design
- Tactile key feel, key travel 1.5mm
- 227 x 289 x 27 mm
- 720g
- USB-Connected
- Cable length: Standard 2.0m
- Layouts – ask availability

## ACK-595U Keyboard

COMMERCIAL KEYBOARD FOR INDUSTRY AND FLEET



- Compact design
- Easy typing
- Low-profile tactile keys
- Membrane key switches
- Space-saving Design
- Tactile key feel, key travel 1.5mm
- 291 x 154 x 29 mm
- 580g
- USB-Connected
- Cable length: Standard 2.0m
- Layouts – ask availability

## SUNIT Mouse-pad

GLIDEPOINT BY SUNIT QUALITY PROCESS



- Glidepoint Plane Pad
- Industrial
- Sealed
- Multi-touch touchpad (mouse and scroll)
- 86 x 67 x 13 mm , 0,05kg
- Cable length: Standard 1.8m
- Applications: Medical, Military, Industrial, Fleet



## SUNIT 24-Keypad

PROGRAMMABLE HANDHELD KEYPAD



- USB-Connected
- Programmable
- Lighted Buttons
- 14 x Single-function Buttons
- 4 x Dual-function Buttons
- 1 x Quad-function Button
- ON/OFF LED
- One-Hand Design
- Stative for FIX-Mount
- 0,1 kg. PC/ABS/V0+UV

## SUNIT Wall-Pad

PROGRAMMABLE INDOOR OUTDOOR FIXED-MOUNT KEYPAD



- Sealed 5-button Pad
- Fixed-Mount
- LED-Lighted
- 2 x LED for Signage
- Silicone-Buttons
- Functions-Programmable
- For Bikes, Vehicles, Industry
- USB-Connected
- For Harsh Conditions
- 9 x 63 mm
- 0,1kg

## SUNIT F-Pad

FINGERTIP-SIGNED KEYPAD



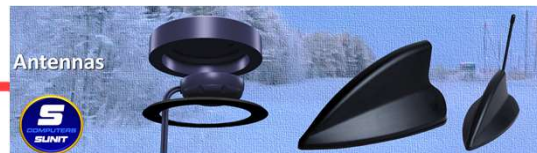
- Programmable
- 5-buttons
- Fingertip-Signs
- USB-Connected
- Fingertip design for dark use
- Sealed
- Cover against Impacts
- Easy to Install
- Small-size 30 x 45 x 15mm

## SUNIT S-Pad

EMBEDDED-CONNECTED KEYPAD



- Single-Button
- Digital-I/O -Connected
- Pull-Down active
- Sealed
- Cover against Impacts
- Easy to Hidden-Install
- Small-size 15 x 25 x 10mm



## LTE - GNSS ANTENNA



- Multi-Antenna, GNSS + LTE
  - GNSS Frequency: 1575.42/1602 MHz, 50Ω
  - GPS Passive: 5dBic @ zenith
  - GPS Active: 27dB
  - LTE Frequency: 790-960MHz / 1710-2690MHz
  - Full hemispherical coverage for GNSS and GPS
  - Omnidirectional
  - Impedance: 50Ω
  - Dimension: 50.4 x D18 mm
  - Cable: RG-174
  - Length 5m, other Lengths available
  - FAKRA connectors as standard
  - SMA / SMB / Etc. connectors on Order
  - Color: Black
  - 3M sticker for Indoor installation on Windscreen
- 
- Outdoor Mounting-Kit
  - Waterproof
  - Rugged material

## SHARK MULTI-ANTENNA'S



- A multi purpose shark fin antenna
- Alternative Combinations selectable for UHF, GNSS, GPS, 2G/3G/4G, Wi-Fi and DAB-Whip
- Full hemispherical coverage for GNSS and GPS
- Whip Optional
- Impedance: 50Ω
- Dimension 142 x 76 x 66mm (LWH)
- Cable: RG-174
- Length 5m, other Lengths available
- FAKRA connectors as standard
- SMA / SMB / Etc. connectors on Order
- Color: Black

## Wi-Fi ANTENNA



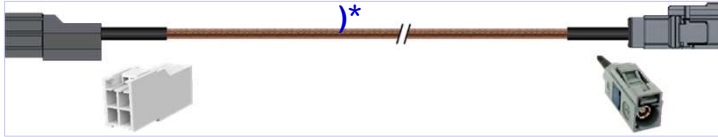
- Single band for 2.4 GHz, dual band models for 2.4-2.5 & 4.9 - 6 GHz
- Gain 2.5 dBi
- Voltage standing wave ratio (VSWR) 2:1 over band
- Impedance: 50 Ohm nominal
- Maximum Power: 10 Watts
- Operating Temp: -40o to +85o C
- Built-in ground plane improves high frequency performance
- Cable Harness 3m (other lengths on order)
- Connector; FAKRA (other connectors on order)



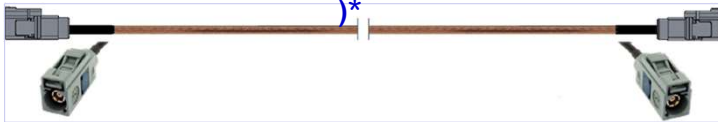
# SUNIT CABLES & ADAPTERS

HARNESSES & ADAPTERS FOR HARSH USE

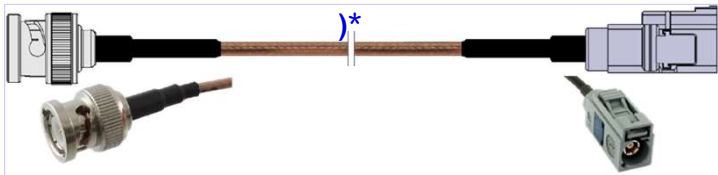
## VIDEO CABLE



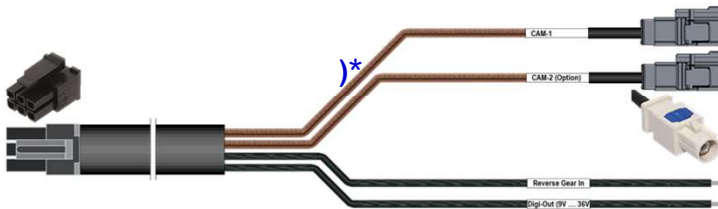
Extension Cable Video Camera  
AMP 176284-1 FAKRA



Video Extension Cable  
FAKRA - FAKRA



Video Extension Cable  
BNC Plug - FAKRA

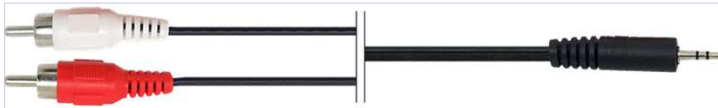


SUNIT-Screen  
Video Extension Cable  
Molex- FAKRA

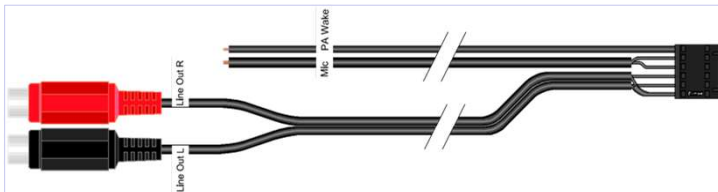


)\*  
Cable: Coaxial RG317  
 > Inner Conductor Silver plated copper clad steel  
 > Shield 95% Silver plated copper braid  
 > Isolation Dielectric.  
 Operation Temp. -55C°  
 ... +200C°

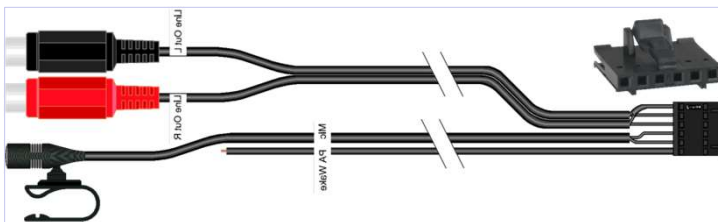
## AUDIO CABLE



Audio Cable  
3,5mm Jack - 2xRCA Male



Audio Extension Cable  
Tyco - RCA-Female



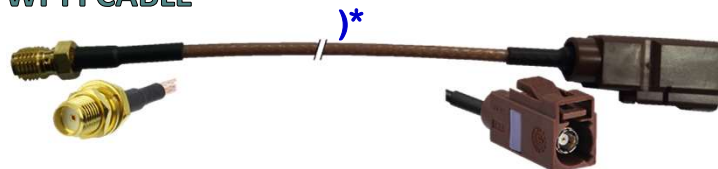
Audio Extension Cable with Handsfree Mic.  
Tyco - RCA-Female

## DISPLAY-PORT CABLE



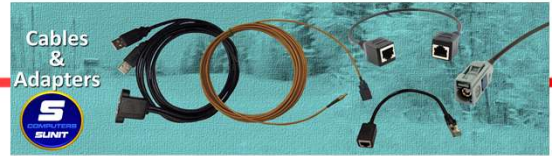
DisplayPort Cable  
Male to Male

## WI-FI CABLE



Wi-Fi Extension Cable  
SMA Female - FAKRA

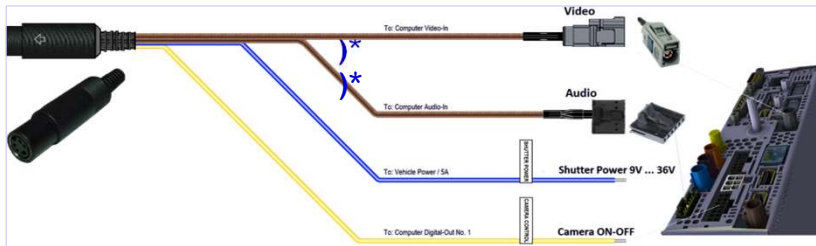




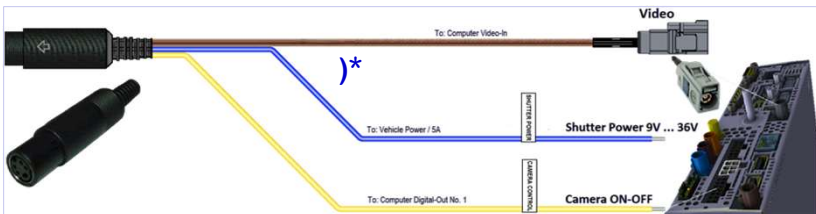
# SUNIT CABLES & ADAPTERS

HARNESSES & ADAPTERS FOR HARSH USE

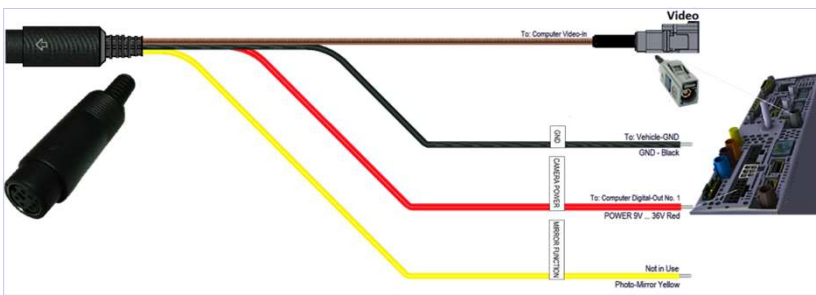
## REVERSING CAMERA CABLE'S



Brigade Reversing Camera Harness for SUNIT Reversing Application Computer Incl. Audio.



Brigade Reversing Camera Harness for SUNIT Reversing Application Computer Excl. Audio.

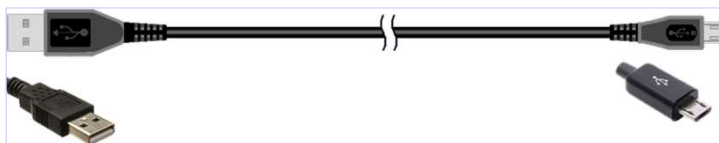


Waeco Reversing Camera Harness for SUNIT Reversing Application Computer.

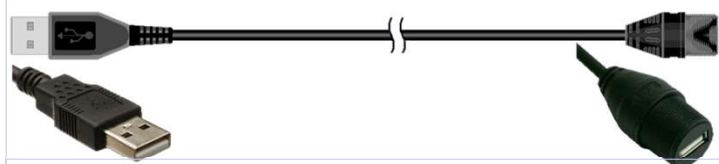


)\*  
Cable: Coaxial RG317  
 > Inner Conductor Silver plated copper clad steel  
 > Shield 95% Silver plated copper braid  
 > Isolation Dielectric.  
 Operation Temp. -55C° ... +200C°

## USB EXTENSIONS



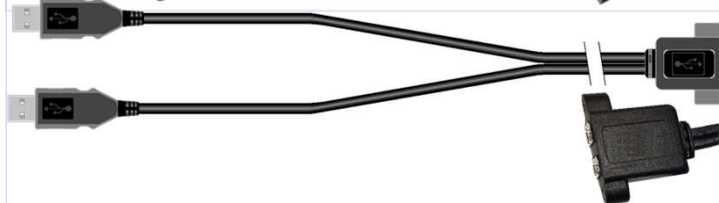
USB2.0 Cable Type-A – Micro-B



USB2.0 Cable Type-A – A Sealed



USB2.0 Cable Type-A Male Sealed – 4-PIN Board connector



USB2.0 Dual Extension Cable Panel Mounted Type A Male - Female

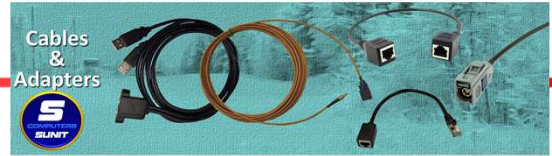
## ETHERNET CABLE



Ethernet Extension Cable RJ45 – RJ45



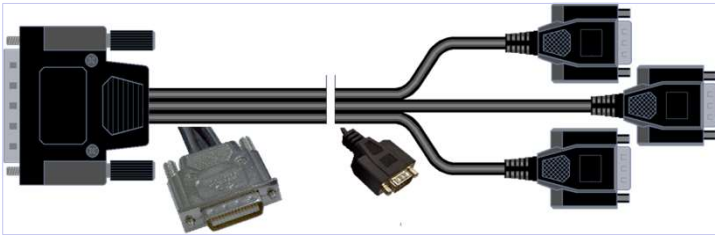
Ethernet Extension Cable RJ45 Plug – RJ45 Female



# SUNIT CABLES & ADAPTERS

HARNESSES & ADAPTERS FOR HARSH USE

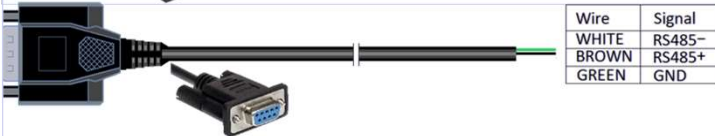
## SERIAL EXTENSIONS



3 x Serial Cable  
Multi-connector (DX30/28P) - D9 Male



RS Cable  
D9 Female - Dual 3-Wire



RS Cable  
D9 Female - Single 3-Wire



RS Cable  
D9 Male - D9 Female

## ANTENNA EXTENSIONS



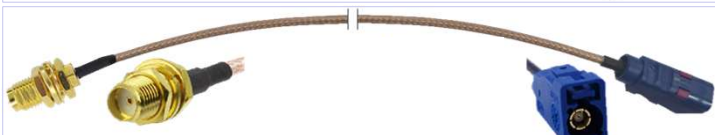
Antenna Extension Cable GNSS  
SMB Male - FAKRA



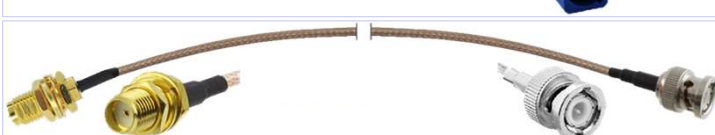
Antenna Extension Cable FM-Radio  
SMA Female - FAKRA



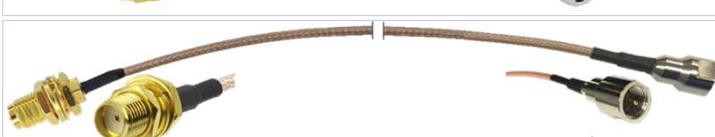
Antenna Extension Cable Cellular  
SMA Female - FAKRA



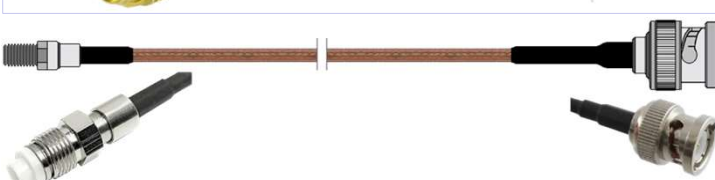
Antenna Extension Cable GNSS  
SMA Female-FAKRA



Antenna Extension Cable UHF  
SMA Female - BNC M



Antenna Extension Cable GNSS  
SMA Female - FME Male



Antenna Extension Cable UHF  
FME Female - BNC Male



Cable: Coaxial RG317  
 > Inner Conductor  
 Silver plated copper  
 clad steel  
 > Shield 95% Silver  
 plated copper braid  
 Isolation Dielectric.  
 Operation Temp. -  
 55C° ... +200C°



# SUNIT

Bridge for Demanding Duties

