

NEWSPACE MARKET · COMPANY PROFILE



WORK Microwave

Germany · work-microwave.com

46

PRODUCTS

30

WITH DATASHEETS

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as of 27 August 2026

WORK Microwave

WORK Microwave develops and manufactures RF electronics technologies and products. They create innovative RF electronics and digital signal processing, including satellite communication, optical ground station, virtualized DIFI solutions, defence electronics, and sensors & measurement.

This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

PRODUCTS

Product catalogue



WORK MICROWAVE

2:1 Outdoor Redundancy Switch RSCM-2-OD

The RSCM-2-OD is a 2:1 outdoor redundancy system designed for upconverters and downconverters, featuring an indoor controller and an outdoor switch box.

Product Line	Redundancy Switches
Application	DTH Broadcast
Item Number	RSCM-2-OD

price on request

datasheet



WORK MICROWAVE

Accessories

WORK Microwave offers a range of accessories including connector boxes, connection cables, test kits, and replacement/mounting tools for sensors.

Connector box	87152.002.00A
Connector box with LED signalling	87152.002.00B
Connection cable 2 m	03540.006.00A
Connection cable 10 m	03540.002.00B
Connection cable 20 m	03540.003.00A
Connection cable 35 m	03540.004.00A
Testkit	87150.090.00A

price on request

datasheet



WORK MICROWAVE

AR-60/AR-61 IP Demodulator

The AR-60/AR-61 IP Demodulator is a DVB-S2X demodulator designed for high-speed IP connectivity with an integrated decapsulator, suitable for various DVB signals and applications.

DVB-S2X	ETSI EN 302 307-2
DVB-S2	ETSI EN 302 307-1
DVB-S2X modulations	QPSK to 256APSK normal, short, linear
DVB-S2 modulations	QPSK to 32APSK; normal, short
Symbol rates	100 ksps to 75 Msps
Data rate	up to 360 Mbit/s integrated
Roll-Off	35%, 25%, 20%, 15%, 10%, 5%

[price on request](#) [datasheet](#)



WORK MICROWAVE

AR-80 Wideband Demodulator

The AR-80 Wideband Demodulator is a DVB-S2X compliant demodulator for ultra-wideband transponders up to 500 Msps, suitable for governmental, multimedia, and network applications.

Symbolrates	5 Msps to 500 Msps
Data rate	up to 3 Gbps
IP packet processing	up to 2 Mpps
Modulations	up to 256APSK
Product Line	A-Series
Item Number	AR-80

[price on request](#) [datasheet](#)



WORK MICROWAVE

AT-60/AT-61 IP Modulator

The AT-60/AT-61 IP Modulator is a DVB-S2X modulator designed for high-speed IP connectivity, featuring an integrated encapsulator.

Modulations	up to 256APSK
Symbolrates	100 ksps to 75 Msps
Data rate	up to 360 Mbps
IP packet processing	up to 80000 pps
Encapsulation	GSE and MPE
Product Line	A-Series
Application	IP Networking, Governmental

[price on request](#) [datasheet](#)



WORK MICROWAVE

AT-80 Wideband Modulator

The AT-80 Wideband Modulator is a DVB-S2X modulator designed for ultra-wideband transponders, supporting up to 500 Msps on a single carrier for governmental, multimedia, and network

Modulations	up to 256APSK
Symbolrates	5 Msps to 500 Msps
Data rate	up to 3 Gbps
IP packet processing	up to 2 Mpps

[price on request](#) [datasheet](#)



WORK MICROWAVE

Automatic Level Control (ALC)

ALC filter amplifiers are available as a stand-alone unit or as an application-specific option within a frequency downconverter.

Product Line	Automatic Level Control
Application	Satcom
Item Number	ALC

[price on request](#) [datasheet](#)



WORK MICROWAVE

AX-60-S02190 CCSDS TM/TC Modem

A ground station modem designed for CCSDS 131 and 231 based mission communication, ensuring compatibility with IQ Spacecom XLink space segment transceivers.

Product Line	A-Series
Application	Space
Item Number	AX-60-S02190
Downlink Compliance	CCSDS 131.0-B-3
Uplink Compliance	CCSDS 231.0-B-3
Symbol Rates	10 kbps up to 75 Msps
Frequency	950...2150 MHz

[price on request](#) [datasheet](#)



WORK MICROWAVE

AX-60/AX-61 IP Modem

The AX-60/AX-61 IP Modem is a DVB-S2X compliant modem designed for high-speed IP connectivity with an integrated encapsulator, suitable for governmental, IP networking, and space a

Modulations	up to 256APSK
Symbolrates	100 kbps to 75 Msps
Data rate	up to 360 Mbps
IP packet processing	up to 80000 pps
Encapsulation	GSE and MPE

[price on request](#) [datasheet](#)



WORK MICROWAVE

AX-62 Space Mission Ground Modem

The AX-62 Space Mission Ground Modem is an essential ground station element for New Space, supporting a multitude of standardized CCSDS and DVB waveforms and protocols.

Product Line	A-Series
Application	Space
Item Number	AX-62
Symbol rates	10 kbps to 75 Msps
Warranty	3 years

[price on request](#) [datasheet](#)



WORK MICROWAVE

AX-80 Wideband Modem

The AX-80 Satellite Modem provides full IP connectivity over DVB links in the Gigabit-per-second-class, enabling high-speed integration into terrestrial networks with 10G Ethernet

Symbolrates	up to 500 Msps
Data rate	up to 3 Gbps per direction
Roll-Off	35%, 25%, 20%, 15%, 10%, 5%

[price on request](#) [datasheet](#)



WORK MICROWAVE

Block Downconverter VSBD

The Block Downconverter VSBD from WORK Microwave offers frequency downconversion for S- to Q-band with L-Band output, suitable for both indoor and outdoor applications.

Input Bands	S, C, X, Ku, K(DBS), Ka, Q-Band
Output Band	L-Band
Phase Noise	< -50 dBc/Hz @ 10 Hz
OCXO Long-term stability	< 10 ⁻⁷ / year
Adjustable Gain Slope Equalizer	+8 dB / GHz max. (optional)
RF-Input Frequency	3.40 ... 4.20 GHz
LO Frequency	5.15 GHz

[price on request](#) [datasheet](#)



WORK MICROWAVE

Block Upconverter

Frequency Upconverters for S- to Q-band with L-Band input, available in indoor and outdoor configurations for standard and customized applications.

Frequency Bands	S, C, X, Ku, K(DBS), Ka, Q-Band
Input	L-Band
Phase Noise	< -50 dBc/Hz @ 10 Hz
OCXO Long-term stability	< 10 ⁻⁷ / year
Adjustable Gain Slope Equalizer	+8 dB / GHz max. (optional)

[price on request](#) [datasheet](#)



WORK MICROWAVE

Compact Redundancy Switch 1:1, 2:1

The Compact Redundancy Switch 1:1, 2:1 is a compact redundancy system designed for various applications, featuring automatic or manual switching and redundant power supply.

Impedance	75 Ω
Power handling	1 W (switching)
Frequency	0...2.5 GHz
V.S.W.R.	1.20 (0...1 GHz), 1.30 (1...2.5 GHz)
Insertion loss	0.2 dB (0...1 GHz), 0.3 dB (1...2.5 GHz)
Isolation	80 dB (0...1 GHz), 70 dB (1...2.5 GHz)
Interface	RS232, RS422/RS485, TCP/IP over Ethernet

[price on request](#) [datasheet](#)



WORK MICROWAVE

Compact Redundancy Switch 8:1

An 8:1 compact redundancy system designed for L-band frequency converters, offering automatic or manual switching and redundant power supply.

Product Line	Redundancy Switches
Application	DTH Broadcast
Item Number	RSCC-8
Redundancy Config	2:1 up to 8:1
Rack Units	2 RU for 8:1 system
Switching	Automatic or manual
Power Supply	Redundant

[price on request](#) [datasheet](#)



WORK MICROWAVE

Compact Satellite Up- and Downconverter

Compact frequency converter for Single/Dual channel L-Band, offering a cost-effective option for satellite operators, integrators, and teleports for standard and customized applica

Product Line	Upconverters, Downconverters
Application	DTH Broadcast, Teleport Infrastructure
Item Number	VSCU-L / VSCD-L
Bands	L, S, C, X, Ku, K(DBS), Ka, Q-Band
Output	L-Band
Optional Switchable IF	70 MHz and 140 MHz
Phase Noise	< -67 dBc/Hz @ 10 Hz

[price on request](#) [datasheet](#)



WORK MICROWAVE

Digital Converters DBDC & DBUC

Cloud-ready digital converters DBDC (RF-downlink) and DBUC (RF-uplink) for Virtual Ground Station (VGS) solutions.

Operational Temperature	-40° to +70° C
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[price on request](#)



WORK MICROWAVE

DOG-DA Free Space Optical Detector

The DOG-DA Free Space Optical Detector is a fibre-coupled optical detector designed for the reception of optical free space communication, featuring a highly responsive InGaAs aval

Product Line	A-Series Digital Optical Groundstation (DOG) suite
Application	Space
Item Number	DOG-DA

[price on request](#)



WORK MICROWAVE

DOG-DA4 Free Space Optical Detector

The DOG-DA4 Free Space Optical Detector is a fibre-coupled optical detector designed for the reception of optical free space communication, featuring four highly responsive InGaAs

Product Line	A-Series Digital Optical Groundstation (DOG) suite
Application	Space
Item Number	DOG-DA4
Symbol Rates	100 Msps to 10 Gsps (03K)

price on request



WORK MICROWAVE

DOG-F1 Optical Modem Front-End Digitizer

The DOG-F1 Optical Modem Front-End Digitizer enhances the DOG-M1 Multi-Mission Optical Modem at early stages of signal processing, sampling multi-Gsps signals.

Product Line	A-Series Digital Optical Groundstation (DOG) suite
Application	Space
Item Number	DOG-F1 Optical Modem Front-End Digitizer
O3K symbol rate	up to 10 Gsps
Warranty	3 years

price on request



WORK MICROWAVE

DOG-M1 Multi-Mission Optical Modem

The DOG-M1 modem is dedicated to support the processing of optical links between space and Earth, designed for multi-mission support to enable effective ground station design.

Product Line	A-Series Digital Optical Groundstation (DOG) suite
Application	Space
Item Number	DOG-M1 Multi-Mission Optical Modem
O3K symbol rate	up to 10 Gsps
Internal storage	for at least 2 LEO passes at maximum bandwidth

price on request



WORK MICROWAVE

IF Downconverter VSCD

Frequency Downconverters for L- to Q-band, available in indoor and outdoor configurations, suitable for standard and customized applications.

Bands	L, S, C, X, Ku, K(DBS), Ka, Q-Band
IF Frequencies	70 MHz, 140 MHz, 230 MHz or 720 MHz
Phase Noise	< -50 dBc/Hz @ 10 Hz
OCXO Stability	< 10 ⁻⁷ / year
Gain Slope Equalizer	Adjustable (standard)
Gain Compensation	Digital
Switchable IF	Optional

price on request

[datasheet](#)



WORK MICROWAVE

IF Upconverter

Frequency Upconverters for L- to Q-band, available in indoor and outdoor configurations for standard and customized applications.

Bands	L, S, C, X, Ku, K(DBS), Ka, Q-Band
IF Frequencies	70 MHz, 140 MHz, 230 MHz or 720 MHz
Phase Noise	< -50 dBc/Hz @ 10 Hz
OCXO Stability	< 10 ⁻⁷ / year
Product Line	Upconverters
Item Number	VSCU

[price on request](#) [datasheet](#)



WORK MICROWAVE

Modular Redundancy Switch N:1

A modular redundancy system designed for frequency converters, supporting configurations from 2:1 up to 8:1.

Redundancy Config	2:1 up to 8:1
Product Line	Redundancy switches
Application	DTH Broadcast
Item Number	RSCM
Interface	RS232, RS422/485, TCP/IP over Ethernet
Power	25 VA / 7 W
Supply voltage	100...240 V AC nominal, 90...264 V AC max

[price on request](#) [datasheet](#)



WORK MICROWAVE

Outdoor Frequency Converters

WORK Microwave offers its satellite communication equipment in different outdoor housings, which can be used under all weather conditions.

Temperature range	-40 °C to 60 °C (-40 °F to 140 °F)
Degree of protection	IP 67 (acc. IEC 529)
Small housing dimensions (WxHxD)	322 x 108 x 391 mm
Large housing dimensions (WxHxD)	402 x 111 x 391 mm
XL housing dimensions (WxHxD)	412 x 74 x 515 mm
Item Number	ODU

[price on request](#) [datasheet](#)



WORK MICROWAVE

Phase-Locked Oscillators

WORK Microwave offers a wide selection of high-performance frequency sources, including fixed-frequency, frequency-agile with phase-locked sources and frequency synthesizers from 1

Freq. Range (PLO with external reference)	125 – 2500 MHz
Model No. (PLO with external reference)	PL0-CR0-xxxx-EXT
Freq. Range (PLO with internal TCXO)	125 – 2500 MHz
Model No. (PLO with internal TCXO)	PL0-CR0-xxxx-TCX0
Freq. Range (PLO with internal OCXO)	10.0 – 30.0 GHz
Model No. (PLO with internal OCXO)	PL0-CR0-xx.x-OCX0
Freq. Range (PLO with internal crystal)	1200 – 9999.9 MHz

[price on request](#)



WORK MICROWAVE
Q/V Band Converter

Frequency Up and Downconverters for Q/V Band, available in indoor and outdoor configurations, suitable for both standard and customized applications.

Long-term stability **< 10⁻⁷ / year**

price on request



WORK MICROWAVE
Radar Amplifiers

WORK Microwave offers a wide range of amplifier types for radar systems, including high pulse power amplifiers, pre-amplifiers for L-band, and RF distribution amplifiers for phased

Product Line **Radar Amplifiers**

Application **Defence**

price on request



WORK MICROWAVE
Radar Selectors

Signal generator for different performance tests of upconverters, offering monitoring and function control for radar systems.

Product Line **Radar Selector**

Application **Defence**

Band **X-band**

price on request



WORK MICROWAVE
Radar Synthesizers

Low noise and fast hopping synthesizer modules for fixed, mobile and man portable radar systems from D to X band.

Bands **D, F, H, I and X-band**

Features **Master Oscillator, Very low phase noise, Fast hopping synthesizers**

Application **Defence**

price on request



WORK MICROWAVE

Radar Transponders

WORK Microwave offers radar transponders in C and X band, designed for target practice applications.

Band	C and X Band
Coding	Flexible
Application	Target practice
Frequency	5.4~5.9GHz, 1MHz steps
Dimensions	101.6 x 57.0 x 29.7 mm ³

[price on request](#) [datasheet](#)



WORK MICROWAVE

Redundancy Switch 1:1

The Redundancy Switch 1:1 is a 1:1 redundancy system available for both indoor and outdoor applications, featuring automatic or manual switching and redundant power supply.

Product Line	Redundancy Switches
Application	DTH Broadcast
Item Number	RSCC-T
Switching Speed	typ. 8 ms

[price on request](#) [datasheet](#)



WORK MICROWAVE

Redundant Block Downconverter VSBD-Red

Compact Redundant Block Downconverters from S- to K(DBS)-band, for standard and customized applications.

Product Line	Downconverters
Application	Teleport Infrastructure
Item Number	VSBD-Red
Bands	S, C, X, Ku, K(DBS)-Band
Output	L-Band
Redundancy	1:1 Redundancy switch
Housing	19"

[price on request](#) [datasheet](#)



WORK MICROWAVE

Redundant Block Upconverter

Compact Redundant Block Upconverters from S- to K(DBS)-band, for standard and customized applications, featuring 1:1 redundancy switch and two blockconverters in one 19" housing.

Product Line	Upconverters
Application	DTH Broadcast , SNG / Contribution , Teleport Infrastructure
Item Number	VSBU-Red
Bands	S, C, X, Ku, K(DBS)-Band
Input	L-Band
Redundancy	1:1 Redundancy switch and two blockconverters in one 19" housing
Converters	Hot pluggable slide-in

[price on request](#) [datasheet](#)



WORK MICROWAVE

Remote Control RC-CO

A remote control unit designed for outdoor frequency converters, offering optional Uplink Power Control.

Interface	RS232 or RS422/RS485, IP over Ethernet
Supply voltage	12...24 V
Voltage Range DC-In+	0 ... +12 V
Input Impedance	approx 10 kΩ
Output Current	1 mA
Operating temperature	-30 °C ... 60 °C
Frequency	50 ... 60 Hz

[price on request](#) [datasheet](#)



WORK MICROWAVE

Satellite Modulator OEM Module

The Satellite Modulator OEM Module is designed for integration into video encoders, offering DVB-S2X/DVB-S2/DVB-DSNG/DVB-S compliant modulations.

Product Line	C-Series
Application	SNG / Contribution
Item Number	SDMO
Modulations	up to 64APSK
Symbolrates	8 ksps to 80 Msps
Roll-Off	down to 5%
Interface	ASI for Transport Stream delivery

[price on request](#) [datasheet](#)



WORK MICROWAVE

Synthesized Block Downconverter VSSBD

Frequency Downconverters for S- to Q-band with L-Band output, available for indoor and outdoor use, and suitable for standard and customized applications.

Product Line	Downconverters
Application	Teleport Infrastructure
Item Number	VSSBD
Bands	S, C, X, Ku, K(DBS), Ka, Q-Band
Output	L-Band
Phase Noise	< -50 dBc/Hz @ 10 Hz
OCXO Stability	< 10 ⁻⁷ / year

[price on request](#) [datasheet](#)



WORK MICROWAVE

Synthesized Block Upconverter VSSBU

Frequency Upconverters for S- to Q-band with L-Band input, available in indoor and outdoor versions for standard and customized applications.

Input Band	L-Band
Output Bands	S, C, X, Ku, K(DBS), Ka, Q-Band
Phase Noise	< -50 dBc/Hz @ 10 Hz
OCXO Long-term stability	< 10 ⁻⁷ / year
Optional adjustable gain slope equalizer	+8 dB / GHz max.

[price on request](#) [datasheet](#)



WORK MICROWAVE

Synthesizers

Low noise, frequency agile local oscillator for frequency converters and radar applications.

price on request



WORK MICROWAVE

Test Loop Translator VSTLT

The Test Loop Translator VSTLT is a frequency translator designed for RF band test and system evaluation, converting signals from one RF band to another.

Output Bands	C, X, Ku, K(DBS), Ka, Q-Band
Attenuator Range	0 ... 30 dB
Attenuator Step Size	0.1 dB
Local Oscillator Step Size	100 Hz
OCXO Long-term Stability	$< 10^{-7}$ / year
Reference Output	10 MHz
Remote Control Interfaces	RS232, RS422/485, TCP/IP over Ethernet, Web browser

price on request



WORK MICROWAVE

Tracking Downconverter

Dual or Triple Channel Frequency Tracking Downconverters with shared oscillator for L- to Q-band, suitable for indoor and outdoor applications, perfect for systems requiring accurate

Bands	S, C, X, Ku, K(DBS), Ka, Q-Band
IF	70 MHz, 140 MHz, 230 MHz or 720 MHz
Channels	Dual or Triple
Phase Tracking between channels	< 10 deg
Phase Noise	< -50 dBc/Hz @ 10 Hz
OCXO Long-term stability	$< 10^{-7}$ / year

price on request [datasheet](#)



WORK MICROWAVE

V-Series Software Modem

Our cloud-based Software Modem is the ideal solution for your global ground station networks, whether on-premises or completely cloud-based.

Product Line	Virtual Groundstation (DOG) solutions
Application	Space
Compliance	DVB-S2/S2X, CCSDS and ECSS standards, DIFI standard
Minimum Symbol Rate	36 Msps (higher optional)
Minimum Bandwidth Support	36 MHz (larger optional)
Modulation Support	CCM, VCM and ACM
Time Slicing Support	Annex-M ETSI EN 302 307-1

price on request



WORK MICROWAVE

Wideband Downconverter

Wideband frequency downconverters covering the full spectrum up to 40 GHz, available in indoor and outdoor configurations for demanding applications.

Input frequency range	up to 40 GHz
Output frequency	70/140/230/720 MHz or L-band
Phase noise	< -50 dBc/Hz @ 10 Hz
OCXO Long-term stability	< 10 ⁻⁷ / year
RF-Input Frequency	1.00 ... 40.00 GHz
IF-Output Frequency	1200 ±250 MHz
Phase noise (10 Hz)	-50 dBc/Hz

price on request [datasheet](#)



WORK MICROWAVE

Xidus-424 GNSS Simulator

The Xidus-424 is a multi-constellation, multi-frequency GNSS simulator capable of handling a wide range of test scenarios for receiver manufacturing and production testing.

LOS channels	Up to 128
Multipath channels	Up to 512
RF outputs	2
Multi-GNSS frequencies	max. 16
Dimension	447.5 x 177.8 x 400.5 mm ³

price on request



WORK MICROWAVE

Xidus-648 GNSS Simulator

The Xidus-648 GNSS Simulator is a high-end GNSS Simulator supporting all current and future GNSS signals with high signal purity even at 1kHz update rate.

Product Line	Xidus Navigation Simulators
LOS channels	Up to 256
Multipath channels	1024
Multi-GNSS frequencies	max. 32
Dimension	447.5 x 266.7 x 500 mm ³

price on request



WORK MICROWAVE

Xidus-Studio

Xidus-Studio is a powerful configurator and viewer client software for the Xidus GNSS simulator, offering flexibility and unique possibilities to users.

GNSS Systems	GPS, GLONASS, GALILEO, BEIDOU
Augmentation Systems	WAAS, MSAS, EGNOS, GAGAN, SDCM
Platform Support	Windows, Linux

price on request

Contact WORK Microwave

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

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