



Welcome to
Swedish Microwave

PRODUCT OVERVIEW 2026

Premium LNB and RF Distribution Systems

LNB

SYSTEM

BDC

RF DISTRIBUTION

M&C 

L-BAND

C-BAND

X-BAND

KU-BAND

KA-BAND

Q-BAND



SWEDISH 
MICROWAVE

SMW.SE



WELCOME TO SWEDISH MICROWAVE



Premium devices



Communication interface



Individual tested

SWEDISH  [®]
MICROWAVE
PART OF BEJERTECH

All technical specifications are typical, for specific part number specifications, please contact us. Specifications are subject to change without prior notice. Products from Swedish Microwave AB are made for commercial use.

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Swedish Microwaves products and services

Our main target is to deliver products that we are proud of. We are building technology modules that are shared between our various products. The focus is product and services in the market segments LNB and RF Distribution. With over 100'000 devices in daily use world-wide, we have learned that there are no short cuts and the best products wins in the long run. We are proud to have Swedish design, manufacturing, and ownership. Our owner Beijer Tech has an unlimited time horizon with the focus; To make our customers more competitive.

What to expect from our devices and services:

Innovation

We will always strive to improve our products and processes.

Ruggedized

Deliver products that are design to function many years even under tough environmental conditions.

Temperature range

Standard -40 to +80°C (-40 to +176°F).

Test reports

All the products we manufacture are individually tested before shipping. Test reports can be requested free of charge for their specific serial number.

Connected

All new products will offer a monitoring and control interface that is optional to use.

Customer service

When contacting sales@smw.se, you can expect a first response within 2 working days.

Warranty

Standard 36 months warranty from the delivery date.

Made in Sweden

We will design, produce, and deliver our devices from Sweden.

Summer vacation

In Sweden the few weeks of warm weather are important to recharge. Therefore, we close production, shipment, and have limited support capacity 3 weeks each summer.

We always aim to solve our customers challenges. What can we do for you?

Future and innovation

We are continuously developing new products and features to ensure our customers gain a competitive edge in future projects. Currently, we have four major focus areas where our customers can expect tangible results in the coming years.

Improved LNB platform

The 2nd generation of our cross-segment platform introduces several new critical building blocks. At its core lies a next-generation internal reference system, designed to deliver outstanding performance and long-term reliability.

Our new RF over Fiber platform

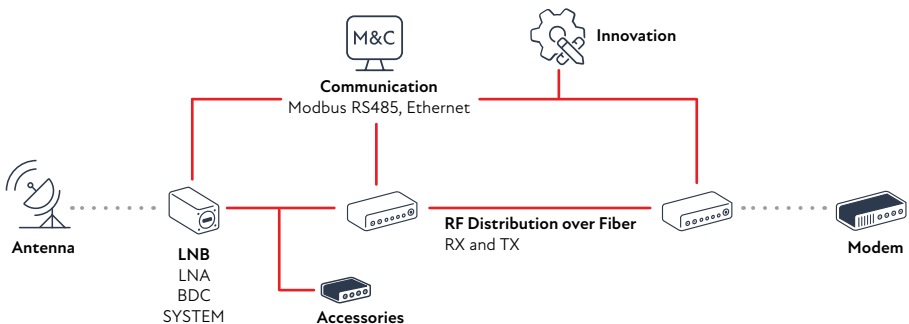
Combines a robust IP67-rated design with user-friendly operation. Its modular architecture allows you to configure, adapt, and scale the solution to meet evolving network requirements.

Communication.

Intelligent LNB's with internal and external communication for improved product and system performance. Flexible communication with Ethernet and Modbus RS485.

L-band products, external reference, and accessories.

All components are built on well-proven technology and designed for a high degree of customization, featuring a rugged IP67-rated construction, ensuring reliable integration into satellite communication ground infrastructure.



Contact sales@smw.se or your business representative for more details.

The city of Motala is surrounded by lakes, waterways, and canals. That's why it's called the lake city.



All In-house based in Motala, Sweden



Over 100 000 products in daily use globally



Pioneers in satcom with over 35 years of experience

Our story is worth telling

It all began in Motala, Sweden, in 1923, when Luxor laid the foundation of radio history. Through bold technological choices and an uncompromising focus on performance, Motala became a hub for innovation in radio and television. When the market changed, a small group of young engineers took a decisive step to make satellite television a global reality. The radio towers still standing in Motala remind us of a proud heritage of innovation, courage, and world-leading communication technology.

From this pioneering spirit, Swedish Microwave was born in 1986. With groundbreaking LNB solutions and over the year we have pushed the boundaries to earn a leading position in the global satellite communications market. Courageous strategy, deep engineering expertise, and constant innovation have defined the journey ever since.

Today, more than 40 years later, the legacy continues. With strong foundations, new talent, and a clear vision for the future, Swedish Microwave moves forward with the ambition to be the number one choice for professional LNB and ruggedized RF over fiber solutions.



Part of Beijer Tech

Swedish Microwave is included in the Beijer Tech Group that has 150 years of experience and innovation. Their management philosophy is to have a decentralized business responsibility and to have a long term vision, which fits Swedish Microwave perfectly.

This enables Swedish Microwave to be flexible enough to cope with the ever-changing market requirements and big enough to afford it.



LNB

We specialize in professional LNB's for satellite communication and have done so for almost 40 years. Today we can offer our customers premium LNB for various applications. All the parameters that impact the carrier-to-noise ratio has been fine-tuned and improved over the years. Today we provide COTS products that meet the most challenging markets standards.

Our products are well proven for major satellite constellations in the world. With over 3000 active configurations we are very adaptive to our customers' needs. We offer Singel-, Multi-, and Wideband products for C-Band, X-Band, Ku-Band, Ka-band, and Q-band.

What to focus on, when choosing a down converter:

Low VSWR / Return Loss

This reduces power transmission efficiency in the system to enable higher data throughput.

High P1dB & IP3

This mitigates the risk of saturation.

Low phase noise

To enable high Data Rate / Symbol Rate.

Select features:

- Autoswitch External or Internal reference
- Alarm, Monitoring & Control
- Low power consumption
- Automatic temperature gain compensation



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We deliver a **high-performance LNB** platform built on reusable, modular building blocks. This approach supports a wide product range and enables **tailored customer solutions** while maintaining consistently high and stable performance.

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Product range

STANDARD MODELS	Frequency band	RF range
C LNB 3.40-4.80 GHz 1 Band	C	3.40-4.80 GHz
C LNB 3.40-4.80 GHz 2 Band	C	3.40-4.80 GHz
C LNB 3.40-4.80 GHz Wideband	C	3.40-4.80 GHz
X LNB 7.25-7.75 GHz 1 Band	X	7.25-7.75 GHz
X LNB 7.75-8.50 GHz 1 Band	X	7.75-8.50 GHz
X LNB 7.90-8.50 GHz 1 Band	X	7.90-8.50 GHz
X LNB 7.25-8.50 GHz 2 Band	X	7.25-8.50 GHz
Ku LNB 10.70-12.75 GHz 1 Band	Ku	10.70-12.75 GHz
Ku LNB 10.70-12.75 GHz 2-4 Band	Ku	10.70-12.75 GHz
Ku LNB 10.70-12.75 GHz WDL Dual or Quattro	Ku	10.70-12.75 GHz
Ku LNB 10.70-12.75 GHz Wideband	Ku	10.70-12.75 GHz
Ku LNB 12.70-15.50 GHz 1-4 Band	Ku	12.70-15.50 GHz
Ka LNB 17.30-22.30 GHz 1 Band	Ka	17.30-22.30 GHz
Ka LNB 17.30-22.30 GHz 2 Band	Ka	17.30-22.30 GHz
Ka LNB 17.30-22.30 GHz 3-8 Band	Ka	17.30-22.30 GHz
Ka LNB 17.70-21.20 GHz Wideband	Ka	17.70-21.20 GHz
Ka LNB 25.50-27.00 GHz EO	Ka	25.50-27.00 GHz
Ka LNB 27.00-31.00 GHz 1-4 Band	Ka	27.00-31.00 GHz
Q LNB 37.50-42.50 GHz 1 Band	Q	37.50-42.50 GHz
Q LNB 37.50-42.50 GHz 2-5 Band	Q	37.50-42.50 GHz
Q LNB 37.50-42.50 GHz Wideband	Q	37.50-42.50 GHz

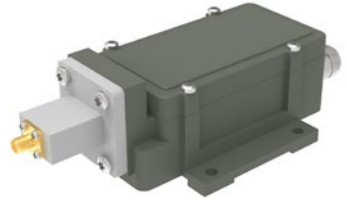


BDC

With professional BDC from C-Band to Ka-Band we have world leading products for various satellite communication earth station applications. All the parameters that impact the carrier-to-noise ratio has been fine-tuned and improved over the years. Today we provide COTS products that meet the most challenging markets standards.

Select features:

- Gain by request
- Autoswitch External or Internal reference
- Alarm, Monitoring & Control



Product range

STANDARD MODELS	Frequency band	RF range
C BDC 3.40-4.80 GHz 1 Band	C	3.40-4.80 GHz
C BDC 5.70-7.25 GHz 1 Band	C	5.70-7.25 GHz
X BDC 7.25-7.75 GHz 1 Band SATCOM	X	7.25-7.75 GHz
Ku BDC 10.70-12.75 GHz 1 Band	Ku	10.70-12.75 GHz
Ku BDC 10.70-12.75 GHz 2-4 Band	Ku	10.70-12.75 GHz
Ku BDC 10.70-12.75 GHz WDL	Ku	10.70-12.75 GHz
Ku BDC 10.70-12.75 GHz Wideband	Ku	10.70-12.75 GHz
Ku BDC 12.70-15.50 GHz 1-4 Band	Ku	12.70-15.50 GHz
Ka BDC 17.30-22.30 GHz 1-8 Band AESA	Ka	17.30-22.30 GHz
Ka BDC 17.30-22.30 GHz 1 Band	Ka	17.30-22.30 GHz
Ka BDC 17.30-22.30 GHz 2 Band	Ka	17.30-22.30 GHz
Ka BDC 17.30-22.30 GHz 3-8 Band	Ka	17.30-22.30 GHz
Ka BDC 25.50-27.00 GHz EO	Ka	25.50-27.00 GHz
Ka BDC 27.00-31.00 GHz 1-4 Band Uplink Monitoring	Ka	27.00-31.00 GHz

LNA | BDC SYSTEMS



Our world leading products that are well trimmed together created systems that meet the high customer expectations. From Dual system up to Quad system for both Ku-Band and Ka-Band you can simultaneously use the downlink bands you need.

Select features:

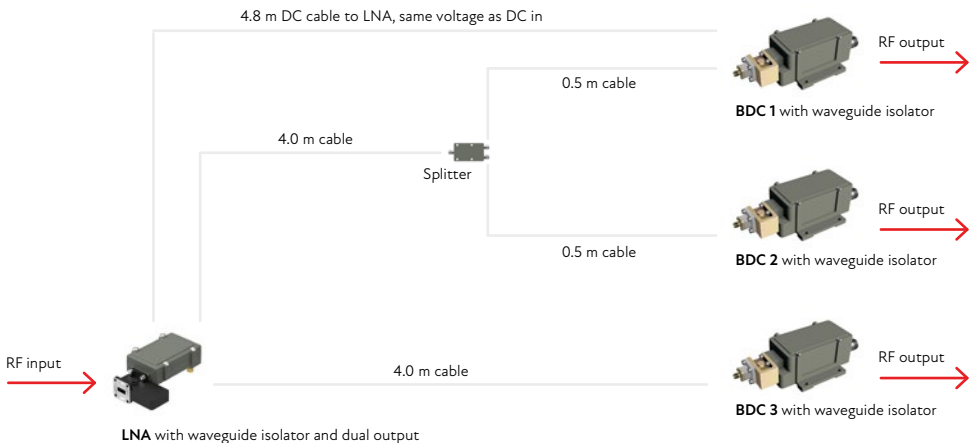
- Autoswitch External or Internal reference
- Alarm, Monitoring & Control
- Temperature compensated gain variation



Product range

STANDARD MODELS	Frequency band	RF range
Ku LNA 10.70-12.75 GHz	Ku	10.70-12.75 GHz
Ka LNA 17.30-22.30 GHz	Ka	17.30-22.30 GHz
Ku System 10.70-12.75 GHz Dual	Ku	10.70-12.75 GHz
Ka System 17.30-22.30 GHz Dual	Ka	17.30-22.30 GHz
Ka System 17.30-22.30 GHz Triple	Ka	17.30-22.30 GHz
Ka System 17.30-22.30 GHz Quad	Ka	17.30-22.30 GHz
Ka System 17.20-22.30 GHz Five	Ka	17.20-22.30 GHz

Ka Triple Band System illustration of setup





RF Distribution system

Over the years we have put a lot of effort into making products that are ruggedized, easy to use and reliable to give our customers a robust RF distribution. We have aimed to keep it simple without impacting the performance.

Select features:

- Fully analog (no field setup)
- -40° to +80°C fully operating temperature range
- Up to 40 km link distance
- AGC - Automatic Gain Control or Fixed Gain

QUAD-LINK



VERSA-LINK



Product range

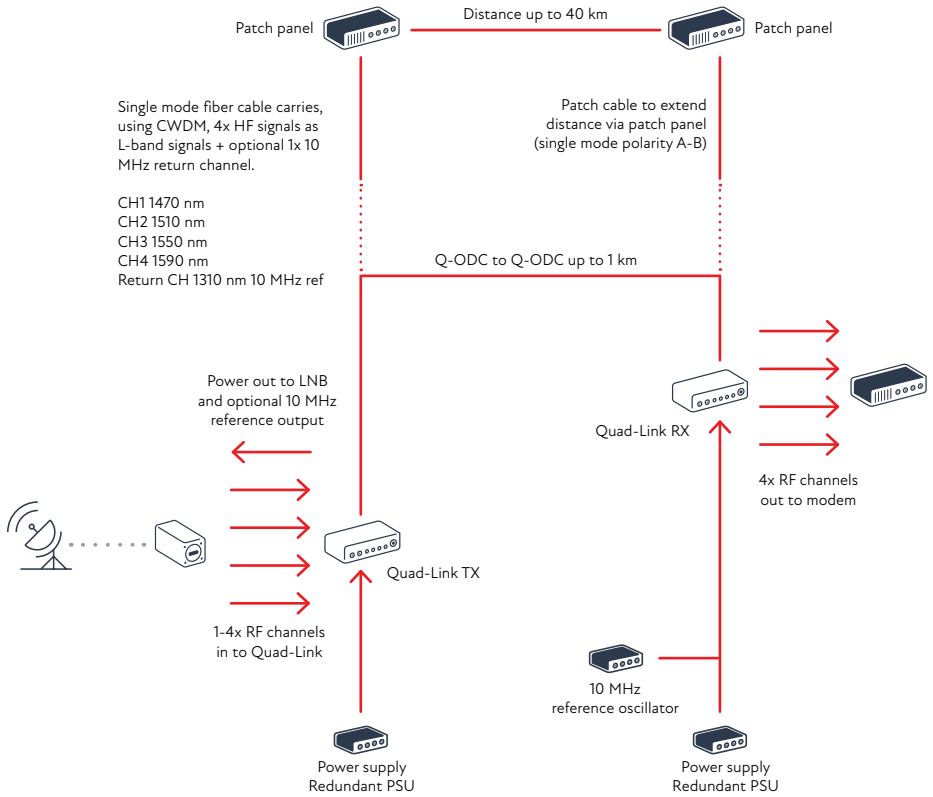
STANDARD MODELS	RF Channels	RF range
QUAD-LINK SYSTEM Transmitter	4	290-3000 Mhz
QUAD-LINK SYSTEM Receiver	4	50-3000 Mhz
VERSA-LINK SYSTEM Transmitter	1	290-2500 Mhz
VERSA-LINK SYSTEM Receiver	1	10-2500 Mhz
Power Supply Unit	DIN rail mounting. Models for 15 V DC or 24 V DC.	
Fiber Cleaning Tool	Fiber Connector Cleaning Tool or "Click pen"	
Fiber Optic Cables	Q-ODC to Q-ODC cables or patch cable to xx-APC	

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Our new RF over Fiber platform combines a **robust IP67-rated design with user-friendly operation**. Its modular architecture allows you to configure, adapt, and scale the solution to meet evolving network requirements.

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RF Distribution overview





Accessories

All our components are well proven and designed to be highly customizable to fit well into our customers satellite communication ground infrastructure.



Product range

STANDARD MODELS

10 MHz Reference Oscillator and Diplexer / DC inserter

10 MHz Recovery Oscillator / DC inserter

Amplifier Adjustable Gain Line

Amplifier AGC Line

Bias Tee DC inserter

Diplexer 10 MHz and L-Band

Diplexer 10 MHz and L-Band with DC Inserter

Depolarizer Ku-Band

OMT Ku-Band

Startkit for Monitoring & Control

M8 Alarm breakout

M8 DC input

A global leader in Satcom

At Swedish Microwave, we own and develop all our technical solutions. This gives us the freedom to make long-term decisions without external pressure and allows us to move fast when ideas turn into products. Our autonomy shortens lead times, supports innovation, and creates a work environment that is both creative and genuinely enjoyable.

All In-house

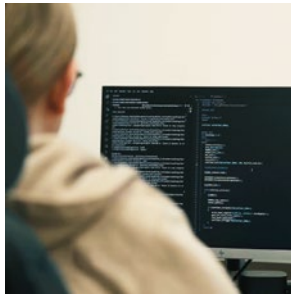
A key strength of our R&D team is having PCB production in-house. Close collaboration between design and production enables rapid prototyping, faster iterations, and immediate feedback. It allows us to test ideas early, refine details quickly, and maintain full control over quality and performance throughout the development process.

Our engineers are involved end-to-end, influencing hardware, software, test systems, and production aspects alike. This broad responsibility not only strengthens our products but also makes the work more engaging and rewarding. Technical choices are driven by curiosity, competence, and a shared ambition to do things right.

Pushing forward

We enjoy challenging established concepts and exploring new approaches. Trying new things gives us fresh perspectives and fuels continuous growth, both as individuals and as a team. Staying at the forefront of technology is not just a goal for us; it's a mindset. We keep pushing forward, improving step by step, and making sure to enjoy the journey along the way.

We challenge ourselves to be better every day, aiming high while staying grounded. That's how we grow, how we innovate, and how we make technology we're proud of.





Monitoring & Control

With remote monitoring and control features, operators can access real-time diagnostics, performance metrics from a central location, significantly reducing maintenance costs and downtime – making them superior to traditional troubleshooting. Enabling satcom operators to install, configure, and monitor devices with ease.

Control examples

Band switching, Gain offset, Alarm trigger, Persistent alarm, Alarm output, Temp °C or F, GPO output, Modbus rtu parity mode.

Monitoring examples

Alarm, Persistent alarm, Selected band, IF output level, LNA current, Total current, Input voltage, Temperature, LO locked, External 10 MHz detected, External 10 MHz locked, Active reference internal or 10 MHz, 22 kHz detect, Days of operation, Serial number, Software version.



Monitoring



Communication interface



Control

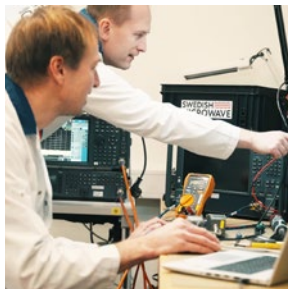


SMW M&C Evaluation Tool

This freeware is a simple and easy user interface to read/write Monitoring and Control parameters and an easy way to setup and getting started with M&C functions. This software is provided for the purpose of testing and evaluating M&C enabled products from SMW.

Prerequisites:

- Monitoring & Control – function is enabled on select products.
- Hardware – connecting host (RTU) and M8 cable (RS-485) and/or USB Transceiver.
- Register Map – for available (R/W) parameters, please note that the Register Maps are specific to each product model. Download the latest Register Map from the website.
- Modbus software or driver is not included, but for purposes of testing or troubleshooting there is SMW Monitoring & Control (M&C) Evaluation Tool available on request.





Follow QR-code link to the website to download documentation, productsheets, technical drawings, complete manuals and register maps.
<https://smw.se/findproduct>



Warranty and Legal information

General Terms & Conditions: ORGALIM S 2022 and Appendices.
Standard Warranty 36 Months. Read more at <https://smw.se/terms/>
Technical specifications are typical, specific part number specifications are available on request. Specifications are subject to change without prior notice.
Products from Swedish Microwave AB are made for commercial satcom use only.
Individual testreports is available on request. Country of Origin: SWEDEN

Declaration of Conformity is available on request.

Swedish Microwave is Assessed and Certified for:

- SS-EN ISO 9001:2015 Quality management
- SS-EN ISO 14001:2015 Environmental management
- SS-EN ISO 45001:2018 Occupational health and safety management



Contact details

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Main Phone: +46 141 21 61 35. Email: info@smw.se.

Contact the Sales Team: sales@smw.se.

Contact information is available on the company website at www.smw.se.

Feedback

Your opinion is important to us! Use the contact link at www.smw.se.



Designed and
Manufactured





Beautiful Lake Boren at dawn,
by the City of Motala, Sweden



40 Years of experience.
What can we do for you?



World leading technology



Innovation



All In-house



Off the shelf

Tailor-Made



Monitoring & Control

Extended Test reports

Ruggedized for outdoor use



Wide temperature range

Customer service



Warranty



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