

Digital Converters DBDC & DBUC

Cloud-ready digital converters DBDC (RF-downlink) and DBUC (RF-uplink).



Cloud-ready Digital Converters DBDC & DBUC

WORK Microwave's **Virtual Ground Station (VGS)** has two main units for digitalization of RF signals:

DBDC: Digital Block Downconverter (for downlink line)

DBUC: Digital Block Upconverter (for uplink line)

DBDC & DBUC: Key features and advantages

- They include block converters (direct S/C/X/Ku/DBS/Ka/Q/V-band port is possible, and IF/L-band as well), with this result: the **system is very compact** and **eliminates the additional need for separate frequency converters, redundancy switches, additional RF connection points, and signal attenuations.**

space in terms of system integration.

- **Multiple-band options** (triple for Ka-band, dual for Ku-Band... as an example) for simultaneous Tx and Rx at high/medium/low bands.
- **Switchable LO option** (selectable high/medium/low... band)
- **Lossless transport for IP networks** with QoS (Quality of Service) and enough bandwidth.
- **Fiber optical** output option for block downconverter and input option for block upconverter.
- High operational temperature: -40° to +70° C

Product Line:

Virtual Groundstation (DOG) solutions

Application:

Space

