



PUREdefinition™

OEM REPEATER

BEYOND
DEVICES 

PureDefinition™ family of broadcasting solutions offer measurement equipment grade radio frequency performance coupled with Beyond Devices unsurpassed customer support and integration services.

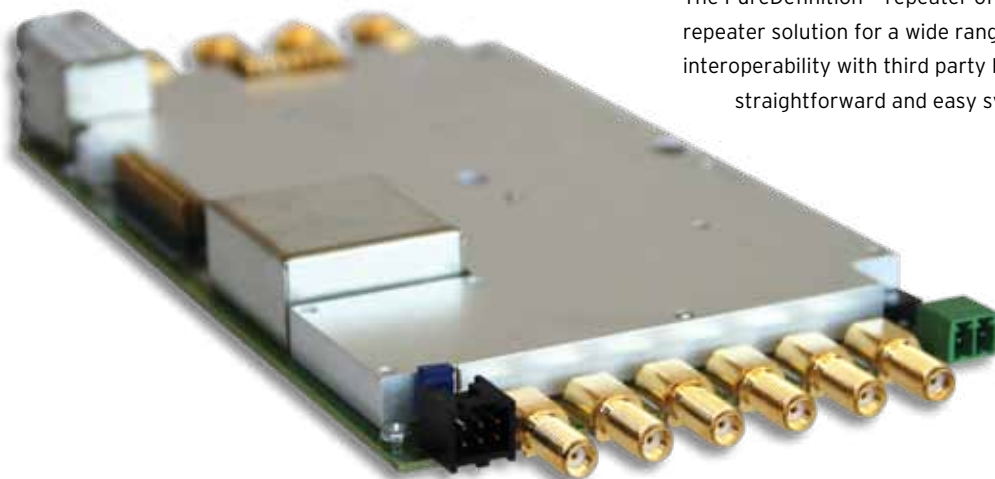
Versatility with high RF performance

The PureDefinition™ repeater continues the Beyond Devices legacy of high-performance broadcasting OEM solutions with **outstanding RF signal quality** and digital signal precorrection. Using Beyond Devices' unique linear and nonlinear signal pre-correction algorithms, commissioning and deployment time is significantly reduced, while signal and modulation quality are guaranteed across a wide range of operating conditions. The

device is specially suited for television and radio retransmission, by supporting a **wide range of television and radio standards** making it one of the most versatile repeater solutions on the market.

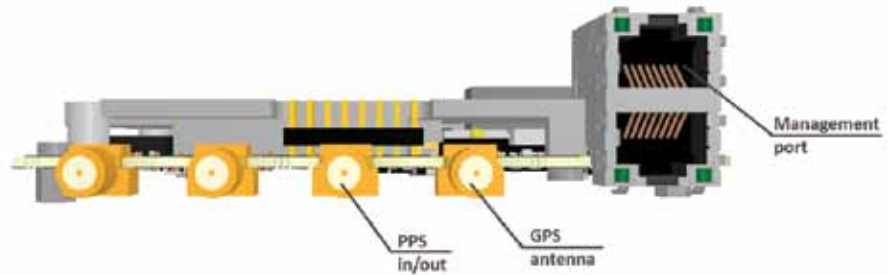
The most compact OEM repeater solution

Beyond Devices continuously drives towards increasing levels of integration without compromising its unrivaled performance. The PureDefinition™ repeater offers a single and compact repeater solution for a wide range of applications offering interoperability with third party RF equipments to assure straightforward and easy system integration.



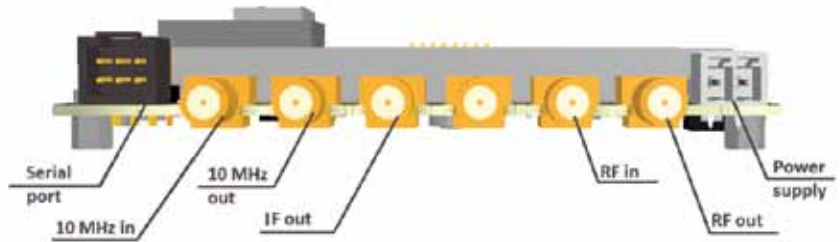
Advantages for customers

- The most compact OEM Repeater solution on the market
- Single solution for multiple frequency bands and broadcasting standards
- Management over IP networks
- Free integration support at the customer site



Key performance characteristics

- MER degradation less than 1.0 dB without signal regeneration
- Exceptionally low phase noise
- Operates with input signals as low as -75 dBm
- Optional +10 dBm RF output power



Key features

- Easy to use GUI
- Multistandard support including DVB-T/H, DVB-T2, DTMB, ISDB-T and others.
- Legacy analog TV supported.
- Integrated linear and non-linear pre-corrections
- Integrated GNSS (GPS or GLONASS) with high precision OCXO
- Receiver signal monitoring output

Ordering code	Description
BYDP100-RP	High performance repeater board supporting VHF, UHF and L-Band output

Option code	Description
OPT-BYDP100-LNA	Low noise preamplifier
OPT-BYDP100-TIME	GNSS (GPS or GLONASS) and high stability OCXO

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