

Why Choose IBUC?

IBUC Intelligence

The IBUC is designed with sensors placed throughout the unit connected to a microprocessor used for signal improvement and extensive Management and Control capabilities. Functions such as user-selectable AGC/ALC enable the operator to set and hold gain or level constant. SNMP-compliant M&C provides the ability to manage and monitor your remote sites, enabling early detection and rapid resolution help you to support your SLA. Over 70 M&C parameters are locally served as web pages on an RJ45 connector to a connected PC running a web browser. This fulfills several functions that our customers have found useful:

1. A local, no-cost M&C capability.
2. As a suite of tools for fine-tuning during installation.
3. As a trouble-shooting tool, sensing and reporting conditions external to the IBUC as well as internal.

Output Power Clearly Stated and Guaranteed

GaAs IBUCs are stated at the conservative $P_{1\text{ dB}}$ point. GaN IBUC models are rated at P_{Sat} with P_{Linear} indicated on the data sheet. IBUC output power ratings are backed up by individual unit testing. Each and every IBUC goes through rigorous testing in an environmental chamber over the full temperature range and frequency band. You get the results. A complete final test report for every IBUC is included with the shipment.

Reliability Baked In

From initial design concept through conservative engineering to meticulous production processes and demanding final testing – every step adds up to RF units that withstand the harshest real-world environments. The proof is in our customers' field experience -a solid track record of performing in the field – year after year.

IBUC – ENGINEERED TO ENDURE