

iPASOLINK Series

Advanced ODU_{Type} IAG / IAP

Smart & Compact



Up to 3X
more
Power

Up to 2X
Less
Energy

Up to 2X
Less
Volume

Over
1Gbps

GaN
& GaAs

NEC
ATPC

Type IAG / IAP iPASOLINK Advanced ODUs

NEC iPASOLINK™ ODUs are renowned for their reliability and are trusted to provide market leading transmission performance in the broadest range of environmental conditions across the planet.

The new IAG and IAP Series ODUs are masterpieces of quality and performance in units much smaller, lighter and energy efficient than ever before, featuring:

- GaAs and GaN Monolithic Microwave Integrated Circuit technology for excellent transmission performance with up to 3x the power efficiency (on IAP GaN model)
- Smallest footprint and power consumption in their class (IAG model features NEC's Automatic Transmitter Power Control)
- NEC's ultra-compact surface mount and multilayer PCB technology
- New wider modulation range (QPSK to 2048QAM)
- More urban deployment flexibility and more environmentally friendly.

Type IAG ODU features - The Smallest in the Industry

"IAG" ODUs are designed for easier deployment and lower power consumption

- iPASOLINK Series compatible: 6 to 42 GHz Band
- The smallest and lightest weight body for easy install
- Low power consumption – 13~38GHz : 17W, (30% lower than current version)
- Power saving mode with ATPC function
- Optional "Sub band free" on 7/8, 13-23GHz capable
- Wider Modulation range (QPSK to 2048QAM)
- Channel Bandwidth up to 112MHz
- XPIC (CCDP) system reserved



IAG ODU (13-42GHz)
130 (W) x 130 (H) x 71 (D) mm, Approx. 1.2kg
IAG ODU (6-11GHz)
240 (W) x 246 (H) x 80 (D) mm, Approx. 3kg

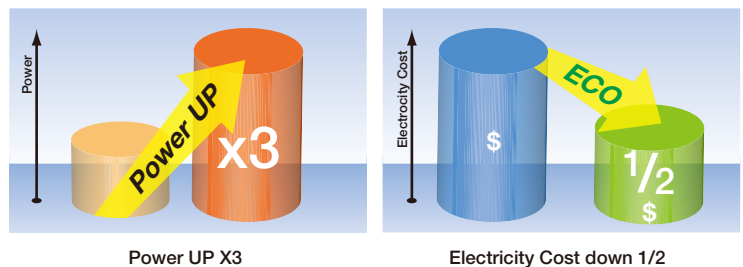
Type IAP ODU features - Extraordinary Power Efficiency

"IAP" ODUs are designed for 3x the power

- iPASOLINK Series compatible: 6~11 GHz Band
- GaN technology giving 3x the transmission power of previous models (NHP ODU) at the same footprint
- Wider Modulation range (QPSK to 2048QAM)
- Channel bandwidth up to 112MHz
- XPIC (CCDP) system reserved



IAP ODU
240 (W) x 246 (H) x 80 (D) mm Approx. 3kg



iPASOLINK series combination list

iPASOLINK100/100E/200
iPASOLINK400/400A
iPASOLINK1000

Abbreviations

ATPC:	Automatic Transmitter Power Control	MIC:	Microwave Integrated Circuit
CCDP:	Co-Channel Dual Polarization system	MMIC:	Monolithic Microwave Integrated Circuit
GaAs:	Gallium Arsenide	ODU:	Out-Door Unit
GaN:	Gallium Nitride	PCB:	Printed Circuit Board
IAG:	iPASOLINK Advanced Grade ODU	SMT:	Surface Mount Technology
IAP:	iPASOLINK Advanced High power ODU	XPIC:	Cross Polarization Interference Canceler