

BCON SERIES OPTICAL NODE

FEATURES:

- Suitable for CATV HFC network and FTTB installation
- Compact cabinet housing designed
- Extended bandwidth in downstream up to 1000MHz
- Optional 1 or 2 forward receiver modules
- Built-in forward redundancy auto-switch for two fibre input
- 2 active RF outputs, excellent output at high channel capacities
- RF attenuator setting via stepwise rotary switches
- Built-in fibre splice tray
- Aluminium die-cast housing, wall and strand-fixing, IP65 grade



TECHNICAL SPECIFICATIONS:

Forward way	Optical wavelength	1290~1600nm
	Optical input power	-5~3dBm
	RF bandwidth	54~862/1000MHz or 85~862/1000MHz
	Reference output level	2 x 112dBμV (60chs PAL, 8dB slope, 3% OMI)
	Interstage attenuator	0~10dB (2dB steps rotary switch) and 0~20dB (plug-in)
	Interstage equalizer	0~20dB (plug-in)
	RF flatness	±0.5dB
	Output test point	-20dB
	Link performance	CNR: >50dB (60chs PAL+QAM, -1dBm receive) CTB: >-65dBc / CSO: >-65dBc

Reverse way	Optical wavelength	1310nm or 1550nm
	Optical output power	0dBm or 3dBm
	RF bandwidth	5~42MHz or 5~65MHz
	Nominal input level	75dBμV
	Input attenuator / equalizer	0~10dB (plug-in) / 0~10dB (plug-in)
	Interstage attenuator	0 ~ 10dB (2dB steps rotary switch)
	RF flatness	±0.75dB
	Input test point	-20dB

General	Optical connector	SC/APC or FC/APC
	Optical return loss	>45dB
	RF connector	5/8"-24 UNEF
	RF return loss	>16dB
	Power supply voltage	35~90VAC (remote) or 150~250VAC (mains)
	Power consumption	50W (max with fully loaded module)
	Max. current for RF ports	10A
	Screening factor	> 80dB
	Dimensions	260mm(W)x220mm(L)x120mm(H)
	Weight	3.5kg
	Temperature	-40~55°C (operating), -40~80°C (storage)

