NGX CASSETTE 36FO BASE-12 MTP®/MPO-CS® - NGXCSxx

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The NEXCONEC® NGX 36FO cassettes are pre-terminated modules MTP®/MPO-CS® fanouts. They are designed to be suitable for up to 100G applications, allowing for efficient interconnection between backbone and discrete connections. The NGX cassettes are specifically made to plug into all Nexconec NGX range panels with precision.

These MTP®/MPO-CS® cassettes offer an ultra-high-density solution, which populates impressive capacity of fiber up to **216FO** (6x36F) within just 1U of space, when inserted to NGX 1U 6 slots chassis. The MPO and single ferrule connectors are available in Standard and Elite versions to cater to the customer's power budget requirements.

FEATURES

✓ Conform to IEC, EIA-TIA, and Telcordia performance requirements

✓ Available in standard Single mode and Multimode fiber options

✓ Available in 24 and 36 fiber count

✓ Available in Polarity A/B/C as per TIA/EIA-568-C.3

✓ RoHS, REACH & SvHC compliant, Materials Conflict compliant

✓ Flame retardant PC+ABS material

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APPLICATIONS

- ✓ Telecommunication networks
- ✓ Data centers, Co-location DC
- ✓ LAN or Campus Wide Network
- ✓ Broadband network
- ✓ Supports SFP, QSFP, CFP applications
- ✓ 100G to 10G/ 40G to 10G transition

SPECIFICATIONS

| Parameters	Value
Footprint	NGX
Dimensions (WxDxH)	191.20 x 130 x 12.60 mm
Material	PC+ABS
Housing Color	Black
Application	NGX Panels
Fiber Capacity	Up to 36FO
Front Adapter Type	CS® Triple Channel 6F
Rear Adapter Type	MTP®/MPO Base-12
Number of CS® Ports	6 Ports
Number of MTP®/MPO Ports	3 Ports
Polarity	A/B/C as per TIA/EIA-568-C.3
Compliance	RoHS, REACH & SvHC
Operating Temperature	-10 ~ +60°C
Weight	0.25 Kg

PERFORMANCE

Parameters	Units	SM MPO	SM CS®	SM CS® (APC)	MM MPO	MM CS®
Avg/Max IL – Standard	dB	≤ 0.25/0.75	≤ 0.15/0.20	≤ 0.15/0.25	≤ 0.60	≤ 0.10/0.15
Return Loss (PC/APC)	dB	≥ 60	≥ 55/65	≥ 55/65	NA	≥ 25
Avg/Max IL– Premium	dB	≤ 0.10/0.35	≤ 0.05/0.08	≤ 0.07/0.12	≤ 0.10/0.35	≤ 0.05
Return Loss (PC/APC)	dB	≥ 60	≥ 55/65	≥ 55/65	NA	≥ 25
Durability	<0.2dB typical change, 500 mating's					
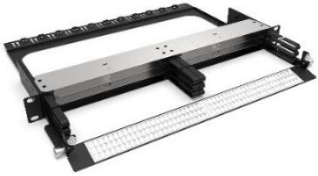
ORDER INFORMATION

Product	Part Number	Product Description
	NGXCS01	NGX Module MPO (ELITE) M-CS/UPC Premium 36FO SMF OS2 Polarity A/C Base-12
	NGXCS02	NGX Module MPO (ELITE) M-CS/APC Premium 36FO SMF OS2 Polarity A/C Base-12
	NGXCS03	NGX Module MPO (ELITE) M-CS Premium 36FO MM 50/125 OM3/OM4 Polarity A/C Base-12
	NGXCS04	NGX Module MPO (ELITE) M-CS Premium 36FO MM 50/125 OM5 Polarity A/C Base-12

TECHNICAL DRAWING
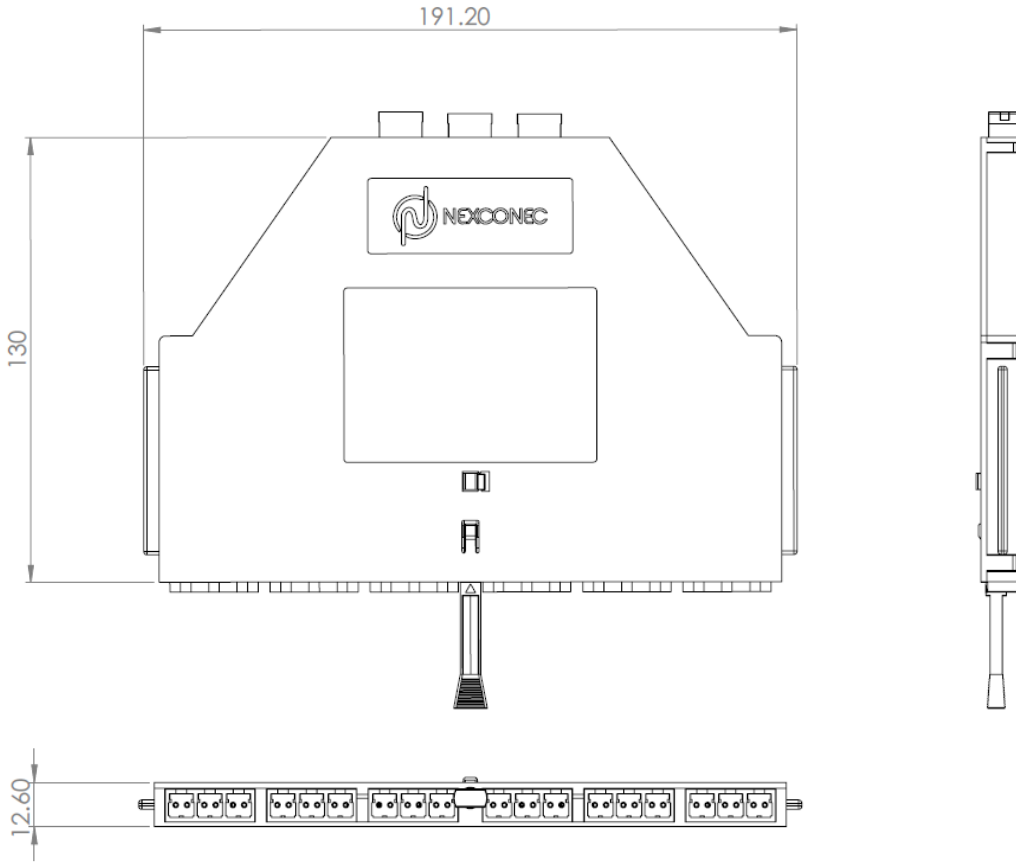
RELATED PRODUCTS AND ACCESSORIES

Product	Part Number	Product Description
	NGXPP01	1U 6 Slots NGX Modular Patch Panel Unloaded
	NGXPP02	1U 6 Slots NGX Angled Modular Patch Panel Unloaded

	NGXPP03	1U 6 Slots NGX Hybrid Modular Patch Panel Unloaded
	NGXPP04	NGX Hybrid Angled Modular Chassis 1U Fiber/Copper (6 Fiber NGX Slots / 12P KJ) Unloaded
	NGXPP21	2U 12 Slots NGX Modular Patch Panel Unloaded
	NGXBK01	Zero RU NGX Bracket, 3 Slots Unloaded