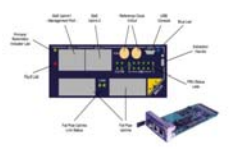

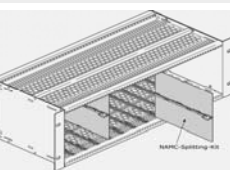



Quote Line Items (see also section Additional Product Details and T&Cs)

Product	Line Item Description	Quantity	List Price	Discounted Price	Total Price
NAT-MCH-Base12-GbE		1.00	USD 938.10	USD 938.10	USD 938.10
NAT-MCH-CLK-PHYS		1.00	USD 702.10	USD 702.10	USD 702.10
NAMC-Splitting-Kit		1.00	USD 35.40	USD 35.40	USD 35.40
NAT-MCH-FP0D		1.00	USD 0.00	USD 0.00	USD 0.00
NAT-PM-AC1000		1.00	USD 1,982.40	USD 1,982.40	USD 1,982.40
NATIVE-LLRFR9BP		1.00	USD 1,888.00	USD 1,888.00	USD 1,888.00
NATIVE-R9		1.00	USD 4,702.30	USD 4,702.30	USD 4,702.30
NAMC-Filler-FS-FP1D		4.00	USD 35.40	USD 35.40	USD 141.60
NAMC-MS-FP1D		12.00	USD 0.00	USD 0.00	USD 0.00
NAMC-Filler-FS-RP1D		2.00	USD 35.40	USD 35.40	USD 70.80
NAMC-Filler-MS-RP1D		12.00	USD 35.40	USD 35.40	USD 424.80
NAT-MCH-M4	Alternative MCH option that provides a Zone 3 connector for future connectivity with an RTM	1.00	USD 1,050.20	USD 1,050.20	USD 1,050.20

Total Price	USD 11,935.70
Credit Card Fee	USD 0.00
Grand Total	USD 11,935.70

Additional Product Details

Product	Quote_Product_Description	Quote Product Photo
NAT-MCH-Base12-GbE	standard version of MCH base module: 2xGbE Uplink; USB; Fabric A to 12 AMC; status LEDs for AMCs, PMs and CUs; management for 12 AMCs; on-board Carrier manager; on-board open HPI compliant shelf-manager; CLI via Telnet or USB; firmware update and script based configuration via TFTP; on-board Webserver; NATview-EASY	
NAT-MCH-CLK-PHYS	NAT-MCH Clock Module providing special clock functionality (CLK1-2) dedicated to Physics applications and a PCIe spread spectrum or fixed mean clock (CLK3) at HCSL level; reference input for CLK 1/2 selectable as either CLK2 from one of the AMCs or from the CLK input connectors at the front panel	
NAMC-Splitting-Kit	splitting kit for MTCA chassis, providing card and air guide for use of a single width AMC in a double width slot	

NAT-MCH-FP0D	double width, full size standard front panel compliant to MTCA.0 standard	
NAT-PM-AC1000	<p>MicroTCA Power Module 1000WAC, double cage to be used in double, full-size power module slots, single 110-264 VAC Input, 12VDC and 3.3VDC output for 16 channels, power on/off switch at front panel, LED load indicator bar at front panel, 6ft AC power cord with safety lock mechanism</p> <p>Note: power cord type (UK, US, EU) according to region order origins from. Additional power cords available as separate order items (NAT-PM-ACCAB-xx, xx=UK, US, EU).</p>	
NATIVE-LLRFR9BP	<p>Low-Level-RF-Backplane (Add-On for NATIVE-R9): DESY design providing Zone 1 RF connections (between 12uRTMs and 3 eRTMs) as well as Zone 2 power connections (between 12uRTMs and 2 rear PMs) and Zone 2 LVDS connections (between 12uRTMs and NAT-MCH-RTM-FPGA).</p> <p>Delivered as integrated part of NATIVE-R9.</p>	
NATIVE-R9	<p>9U, 19" rack mountable MTCA.4.1 platform; redundant backplane for up to 2 MCH, up to 12 double mid-size AMCs, 12 double mid-size RTMs, 4 PMs (4 single/double full-size (6HP) or 2 single/double 12 HP), 1 JSM; two fan trays, air filter, trigger, clock and interlock signals for physics, AMC ports #12-15 p2p;</p> <p>Add-On items available as SEPARATE ORDER ITEMS.</p>	
NAMC-Filler-FS-FP1D	<p>Filler Panel with mounting screws according to MTCA.1, MTCA.4 and air blocker, optimizing airflow to occupied slots in MTCA system. Usable for double-width full-size MCH slots 1, 2 and PM slots 1-4.</p>	
NAMC-MS-FP1D	<p>double mid-size front panel for NAMC-xxx</p> <p>Add-On items available as SEPARATE ORDER ITEMS.</p>	
NAMC-Filler-FS-RP1D	<p>Filler Panel with mounting screws according to MTCA.1, MTCA.4 and air blocker, optimizing airflow to occupied slots in MTCA system. Usable for double-width full-size MCH-RTM slots 1,2 and PM-RTM 1-4.</p>	
NAMC-Filler-MS-RP1D	<p>Filler Panel with mounting screws according to MTCA.1, MTCA.4 and air blocker, optimizing airflow to occupied slots in MTCA system. Usable for double-width mid-size RTM slots 1- 12.</p>	
NAT-MCH-M4	<p>Double, full-size NAT-MCH base board with 16 port GbE switch and Zone-3 connector; 2xGbE Uplink; USB&amp;RS232; Fabric A, D-F to 12 AMCs. Status LEDs for 12 AMCs, 4 PMs and 2 CUs; on-board Carrier manager; on-board open HPI compliant shelf-manager; CLI via Telnet or USB; firmware update and script based configuration via TFTP; on-board Webserver; NATview-EASY.</p> <p>Order separately Clock- (CLK123, CLK-PHYS, CLK-Spacer) and FAT-Pipe-Module (SRIO, XAUI).</p> <p>For PCIeexpress use the combos NAT-MCH-PHYS or NAT-MCH-PHYS80 which offer status LEDs for PCIeexpress lanes to all AMC slots.</p> <p>Order separately NAT-MCH-M4-SA to adapt serial RJ45 port to a serial RS232 connector.</p>	