VX3920

OpenVPX™

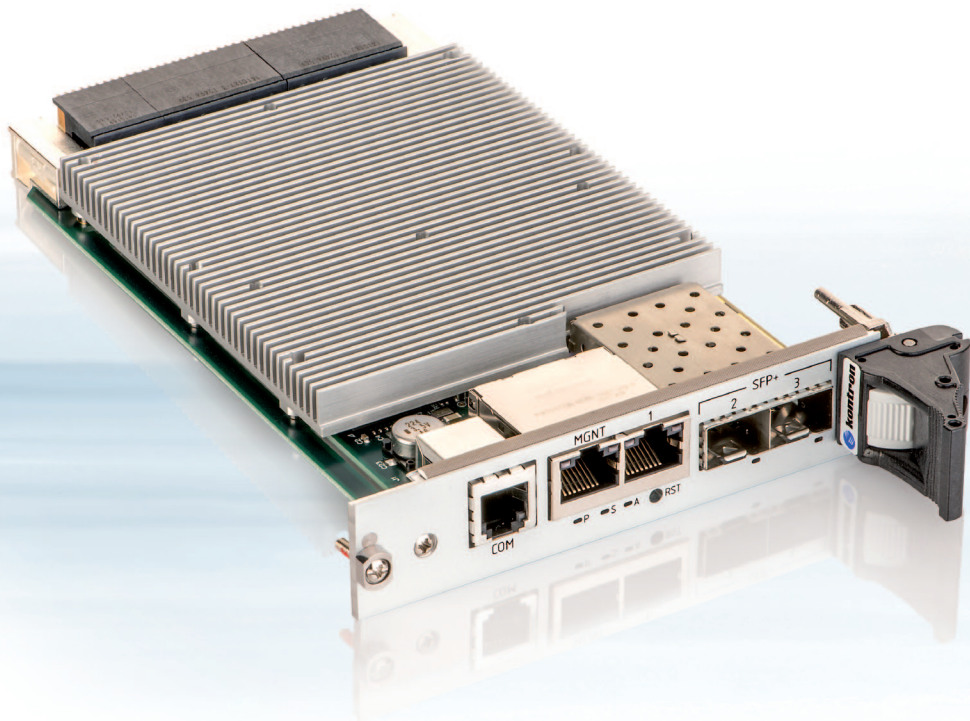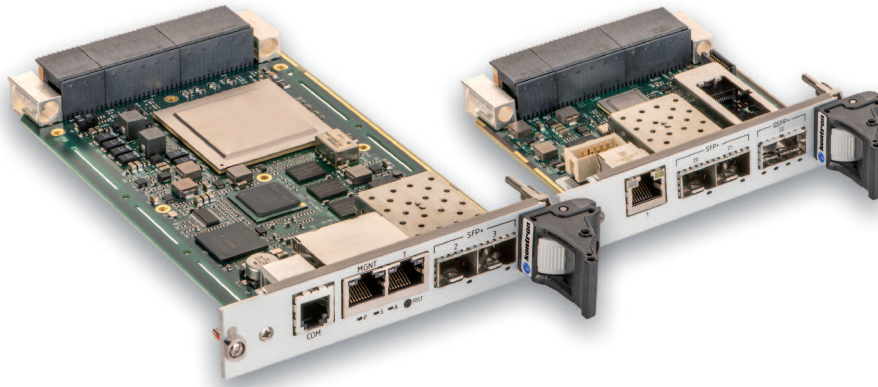## HIGH-PERFORMANCE OpenVPX 10G/40G ETHERNET SWITCH

▶ L2/L3 non-blocking 10/40 Gigabit Ethernet Switch

▶ Enterprise Class switching functions

▶ Rear: up to 24x 10GBASE-KR or 6x 40GBASE-KR4 ports

▶ Front: up to 2x 10GBASE-SR/LR/CR SFP+ hosting copper and fiber cable, 1x 1000BASE-T (RJ-45)

POSSIBILITIES START HERE **kontron**

▶ TECHNICAL INFORMATION

PORTS	OpenVPX 3U Switch slot profile: SLT3-SWH-2F24U-14.4.3 Up to 24x 10 GETH backplane ports, or 6x 40 GETH ports. Port ordering option: ▶ x22 10GBASE-KR ports on rear, x1 10/100/1000BASE-T port rear or front, x2 SFP+ on front ▶ x24 10GBASE-KR ports on rear, x1 10/100/1000BASE-T to backplane, no SFP+ on front ▶ RTM (Rear Transition Module) SFP+ port operates in 10GBASE-SR/LR/CR ▶ QSFP+ port operates in 4x 10GBASE-SR/LR/CR or 40GBASE-SR4/LR4/CR4 ▶ RTM RJ-45 10/100/1000BASE-T port is shared with the Front RJ-45 One 10/100/1000BASE-T out-of-band management port on front panel (RJ-45) 1 RJ-12 serial link
SWITCHING FUNCTIONS: ENTERPRISE CLASS FEATURESET, INCLUDING E.G.	Static link aggregation (IEEE 802.3ad) on any port combination Classic, rapid and multiple spanning tree support (802.1D, 802.1w, 802.1S) Full duplex operation and flow control on all ports (IEEE 802.3x) Static MAC filtering, port authentication (IEEE 802.1X) Layer 2 multicast services using GARP/GMRP (IEEE 802.1p) VLAN support including VLAN tagging (IEEE 802.3ac), dynamic VLAN registration with GARP/GVRP (IEEE 802.1Q), protocol based VLANs (IEEE 802.1v), private VLANs. Link Layer discovery protocol (802.1AB) Double VLAN tagging, port mirroring, IGMP snooping, ICMP
MULTICAST	RFC 2236—IGMPv2 , RFC 3376—IGMPv3, RFC 2710—MLDv1 , RFC 3810—MLDv2, RFC 3973—PIM-DM, RFC 4601—PIM-SM
QUALITY OF SERVICE	DiffServ, ACLs, CoS (Class of Service)
IPv4/IPv6 ROUTING PROTOCOLS	Include OSPFv2, RIPv2, VRRP, ARP
SWITCH MANAGEMENT	Fully managed L2/L3 switch via SNMP, TELNET, CLI Out of Band (front panel FE) or In-band via Fabric
MANAGEMENT PORT	Management Port 10/100/1000BASE-T on front panel
HEALTH MANAGEMENT	Status LEDs on front panel - Serial port front panel or backplane (user configuration), 2x I2C busses on P0, both with master/slave capability (VPX SMB)
POWER CONSUMPTION	50 Watts
OPERATING TEMPERATURE	0°C to +55°C Air-Cooled; -40° to +85°C Conduction-Cooled
STANDARDS	Open VPX MOD3-SWH-2F24U module usable in SLT3-SWH-2F24U-14.4.3 slots – ROHS and CE compliant

▶ ORDERING INFORMATION

ARTICLE	PART.-NO.	DESCRIPTION
SA - STANDARD COMMERCIAL		
VX3920	VX3920-SA-31A00	3U VPX 10/40 GbE Switch, full managed L2, L3, QoS, Multicast, IPv6. Air-cooled, 0 to +55°C, front panel 1 inch 5HP. 22x 10GBASE-KR to backplane, 2x 10 GBASE-LR (SFP+) on front. Management port 1x 10/100/1000BASE-T selectable to front RJ-45 or backplane. RJ-12 serial link.
RC - RUGGED CONDUCTION-COOLED		
VX3920	VX3920-RC-3NB00	3U VPX 10/40 GbE Switch, full managed L2, L3, QoS, Multicast, IPv6. Rugged-conduction-cooled, -40 to +85°C, can fit 0.8 or 1 inch pitch backplanes. 22x 10GBASE-KR and management port 1x 10/100/1000BASE-T to backplane.
RELATED PRODUCTS		
RTM	VX-RIO3920-1	Rear Transition Module to VX3920, front panel 1 inch, featuring 1x QFSP+, 2x SFP+ and 1x 10/100/1000BASE-T (RJ-45).

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