

# N.A.T. validated uTCA platforms



		NATIVE-L-NR	NATIVE-L-R	NATIVE-M	NATIVE-S
<b>Manufacturer</b>		Elma Trenew	Elma Trenew	Rittal	Schroff
<b>Link</b>		<a href="#">Elma BluBox</a>	<a href="#">Elma BluBox</a>	<a href="#">Rittal PicoTCA</a>	<a href="#">Schroff uTCA Desktop</a>
<b>Validation</b>		full	full	full	full
<b>Dimensions</b>					
	Height	5U	5U	2U	3U
	Depth	200mm	200mm	254mm	360,48mm
	Width	19"	19"	19"	175,85mm
<b>AMCs</b>					
	total	12	12	12	4
	full	8	8	9	4
	half	0	0	0	0
	compact	4	4	6	0
<b>MCHs</b>					
	total	2	2	1	1
	primary	1	1	1	1
	secondary	1	1	0	0
	redundant	no	yes	none	no
<b>PUs</b>					
	total	2	2	1	1x AC/DC auto-range built-in
	primary	1	1	outp. 450 max.	outp. 150W max.
	secondary	1	1	none	0
	redundant	no	yes	none	no
	manageable	yes	yes	yes	yes
<b>CUs</b>					
	total	2	2	2	1 built-in
	manageable	yes	yes	yes	no
	# temp sensors	20	20	3	0
<b>Fabrics</b>					
<b>A</b>	MCH1	Port0 AMCs 1-12	Port0 AMCs 1-12	Port0 AMCs 1-12	Port0 AMCs 1-4
	MCH2	Port1 AMCs 1-12	Port1 AMCs 1-12	n/a	n/a
<b>B</b>	MCH1	Port2 AMCs 1-6	Port2 AMCs 1-6	direct slot-to-slot connections	direct slot-to-slot connections
	MCH2	Port3 AMCs 1-12	Port3 AMCs 1-12	n/a	n/a
<b>D</b>	MCH1	Port4 AMCs 1-12	Port4 AMCs 1-12	Port4 AMCs 1-12	Port4 AMCs 1-4
	MCH2	Port8 AMCs 1-12	Port8 AMCs 1-12	n/a	n/a
<b>E</b>	MCH1	Port5 AMCs 1-12	Port5 AMCs 1-12	Port5 AMCs 1-12	Port5 AMCs 1-4
	MCH2	Port9 AMCs 1-12	Port9 AMCs 1-12	n/a	n/a
<b>F</b>	MCH1	Port6 AMCs 1-12	Port6 AMCs 1-12	Port6 AMCs 1-12	Port6 AMCs 1-4
	MCH2	Port10 AMCs 1-12	Port10 AMCs 1-12	n/a	n/a
<b>G</b>	MCH1	Port7 AMCs 1-12	Port7 AMCs 1-12	Port7 AMCs 1-12	Port7 AMCs 1-4
	MCH2	Port11 AMCs 1-12	Port11 AMCs 1-12	n/a	n/a
<b>Clocks</b>					
<b>CLK1</b>	MCH1	CLK1 <sup>1</sup> /TCLKA <sup>2</sup> AMCs 1-12	CLK1 <sup>1</sup> /TCLKA <sup>2</sup> AMCs 1-12	CLK1 <sup>1</sup> /TCLKA <sup>2</sup> AMCs 1-12	CLK1 <sup>1</sup> /TCLKA <sup>2</sup> AMCs 1-4
	MCH2	n/a	CLK3 <sup>1</sup> /FCLKA <sup>2</sup> AMCs 1-12	n/a	n/a
<b>CLK2</b>	MCH1	CLK2 <sup>1</sup> /TCLKB <sup>2</sup> AMCs 1-12	CLK2 <sup>1</sup> /TCLKB <sup>2</sup> AMCs 1-12	CLK2 <sup>1</sup> /TCLKB <sup>2</sup> AMCs 1-12	CLK2 <sup>1</sup> /TCLKB <sup>2</sup> AMCs 1-4
	MCH2	n/a	CLK2 <sup>1</sup> /TCLKB <sup>2</sup> AMCs 1-12	n/a	n/a
<b>CLK3</b>	MCH1	CLK3 <sup>1</sup> /FCLKA <sup>2</sup> AMCs 1-12	n/a	CLK3 <sup>1</sup> /FCLKA <sup>2</sup> AMCs 1-12	CLK3 <sup>1</sup> /FCLKA <sup>2</sup> AMCs 1-4
	MCH2	n/a	n/a	n/a	n/a
<b>Environmental</b>					
	max. temp operation	0°C...+55°C	0°C...+55°C	0°C...+45°C	+5°C...+55°C
	rec. temp operation	+20°C...+30°C	+20°C...+30°C	+20°C...+30°C	+5°C...+45°C
	max. temp storage	-40°C...+70°C	-40°C...+70°C	-40°C...+70°C	0°C...+55°C
	rec. temp storage	0°C...+55°C	0°C...+55°C	0°C...+55°C	0°C...+55°C
	max.humidity operation	5%...95% rhnc	5%...95% rhnc	5%...85% rhnc	5%...85% rhnc
	max.humidity storage	5%...95% rhnc	5%...95% rhnc	5% to 90% rhnc	5%...85% rhnc

<sup>1</sup>= nomenclature according to AMC.0 Rev.1.0

<sup>2</sup>= nomenclature according to AMC.0 Rev.2.0

<sup>0</sup>C= degree Celsius

rhnc= relative humidity (non-condensing)

For other validated platforms please contact N.A.T. by e-mail to [info@nateurope.com](mailto:info@nateurope.com)