

# RP8200 / RP-AGE Rugged Portable Workstations



- Design engineered, versatile, compact PCI architecture
- Powerful Processing:  
Intel™, Sun UltraSPARC™,  
Compaq Alpha™, Motorola™ or Power PC™
- Fully sealed, air breathing
- High resolution display and wide range of standard peripherals
- Applications:  
Applications server  
Mission planning  
Demanding air-ground equipment environments  
Mapping and GIS

DRS Tactical Systems' RP8200 workstations offer unparalleled levels of performance, functionality and ruggedisation within a single compact enclosure. Designed to accept highly configurable compact PCI architecture, the units provide defence forces with the means to run sophisticated applications such as mission planning, command support and fire control. The use of compact PCI as the main system backplane allows the support of different processor architectures, including Intel™ and UltraSPARC™, and is accompanied by a versatile mix of options for expansion, drives and interfaces in a single portable unit.

Variants of the RP8200 are fully developed and in production following its selection to support a number of defence programmes. The RP8200 based on an IBM™ PC, optimised to support Windows NT™, will be qualified to NES 1004 for operation on typed air stations and surface ships. The RP8200S, featuring an UltraSPARC II™ processor, will be qualified to DEF STAN 03-55, for operation as a field deployable support aid.

The RP-AGE is a fully sealed unit particularly suitable for use in air ground equipment environments. This unit, which will meet environmental qualification for explosive atmosphere, is the hardware platform for the Data Bus Test Equipment (DBTE) for the Eurofighter Typhoon Aircraft.



RP-AGE

DRS TACTICAL SYSTEMS LTD.



## SPECIFICATION

	RP8200	RP8200S	RP-AGE
<b>CPU</b>	Compact PCI based processor boards from Intel™, including Coppermine™, Compaq Alpha™, Motorola™, or Power PC™	Compact PCI Sun UltraSPARCIIi™ or UltraSPARCIIe™	Compact PCI based processor boards from Intel™, including Coppermine™, Sun UltraSPARCIIi™, UltraSPARCIIe™, Compaq Alpha™, Motorola™, or Power PC™
<b>DRIVES</b>	1 x 2.5" 12Gb + removable HDD 1 x 2.5" 12Gb + HDD 1 x 3.5" 1.44Mb FDD 1 x CD-ROM or DVD	▶ ▶ ▶ ▶	1 x 2.5" 12Gb + removable HDD 1 x 3.5" 1.44Mb FDD
<i>Options</i>	PCMCIA	▶	1 x 3.5" HDD up to 36Gb LS120
<b>I/O</b>	SCSI, RS232 serial, keyboard/display, USB, LAN, WAN, RS422, audio, 2 x 4HP cPCI	▶ ▶ ▶ ▶	SCSI, RS232 serial, keyboard/display, LAN, WAN, RS422, audio, 2 x 4HP cPCI
<i>Expansion</i>	-	▶	3 x free compact PCI slots
<b>DISPLAY</b>	15.1" 1024 x 768 TFT LCD	▶	▶
<i>Option</i>	15.4" 1280 x 1024 TFT LCD	▶	▶
<b>KEYBOARD</b>	IP65 and EMC sealed full-size k/b with integral trackerball	▶ ▶ ▶	▶ ▶ ▶
<b>POWER</b>			
<i>Input</i>	19-32 VDC	▶	▶
	External adaptor	▶	▶
<i>Option</i>	100-240 VAC	▶	▶
<i>Grounding</i>	Earth studs provided	▶	▶
<i>Surges</i>	Integral UPS with 10 minute hold-up (configuration dependent)	▶ ▶	▶ ▶
<b>PHYSICAL</b>			
<i>Dimensions</i>	<i>Configuration dependent</i> 463mm(W) x 357mm(H) x 510mm(D) k/b open 240mm(D) k/b closed	▶ ▶ ▶ ▶	<i>Configuration dependent</i> 463mm(W) x 400mm(H) x 328mm(D) k/b closed
<i>Weight</i>	16Kg	▶	20-24Kg
<b>ENVIRONMENTAL</b>		DEF STAN 07-55 as superseded by DEF STAN 03-55	
<i>Temperature - operating</i>	-20°C to +55°C	▶	▶
<i>Non operating</i>	-30°C to +55°C	▶	▶
<i>Non operating - Option</i>	-40°C to +70°C	▶	▶
<i>Climatic</i>	Rainproof to IP65 relative humidity, non-condensing	▶	Driving rain, humidity to 95% non-condensing
<i>Altitude - operating</i>	10,000 ft	▶	▶
<i>Vibration</i>	DEF STAN 07-55, Part 2, Tests A1 and A2, as superseded by DEF STAN 03-55	▶ ▶ ▶ ▶	▶ ▶ ▶ ▶
<i>Shock - operating</i>	15g/11ms	▶	▶
<i>Non - operating</i>	30g/6ms	▶	▶
<i>Bump</i>	10g/16ms, 4,000 bumps in 3 axes	▶	▶
<i>Drop &amp; topple</i>	2 metre drop (packaged)	▶	▶
<i>Sealing</i>	▶	▶	Fully Sealed
<i>EMC</i>	DEF STAN 59-41, Land Class C	▶ ▶	▶ ▶
<i>Option</i>	DEF STAN 59-41, Land Class A	▶	▶
<i>TEMPEST - Option</i>	AMSG 788	▶	▶

Represented by:



Proprietary to DRS Tactical Systems Ltd  
Specification subject to change without notice.  
All copyrights/trademarks acknowledged.

RP8200/02.03

### Europe

+44-1252-730500  
Fax: +44-1252-730530  
email: sales@drs-tsl.com

### USA

+1-321-727-3672  
Fax: +1-321-725-0496

### Australia

+61-2-9489-1658  
Fax: +61-2-9489-8903  
email: c3rb@ozemail.com.au

DRS TACTICAL SYSTEMS LTD.



www.drs.com