

## Military Computer Workstations

### Product Features

- MIL-S-901D Grade 'A' Shock Approval
- MIL-STD-167-1 Vibration Approval
- MIL-STD-461E EMI/EMC Approval
- MIL-STD-810F Operating and Storage Temperature/Humidity Approval
- Fully Sealed NEMA 4X Unit
- Built-In Ethernet Redundancy
- Supports Both Copper and Fiber Ethernet
- Optional Rugged Keyboard (MIL Qualified)
- Versatile Bulkhead Mounting Solutions



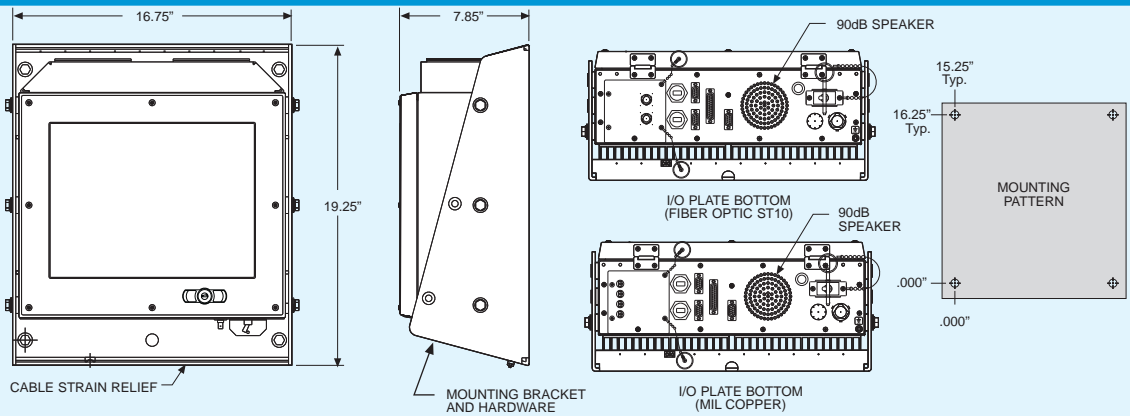
### Environmental Approvals

Ratings	Condition	Details
MIL-S-901D	Shock	Grade A, Class 1, Type A
MIL-STD-167-1	Vibration	Type 1
MIL-STD-461E	EMI/EMC	
MIL-STD-810F	Operating Temp.	0° to 50°C (32° to 122°F)
	Extended Temp. Option	0° to 65°C (32° to 149°F)
MIL-STD-810F	Storage Temp.	-20° to +85°C (-4° to +185°F)
	Extended Temp. Option	-40° to +85°C (-40° to +185°F)
MIL-STD-810	Humidity	Method 507.3 (5 to 95%)
MIL-STD-454	Quality and Workmanship	
MIL-I-45208		
ISO 9001		

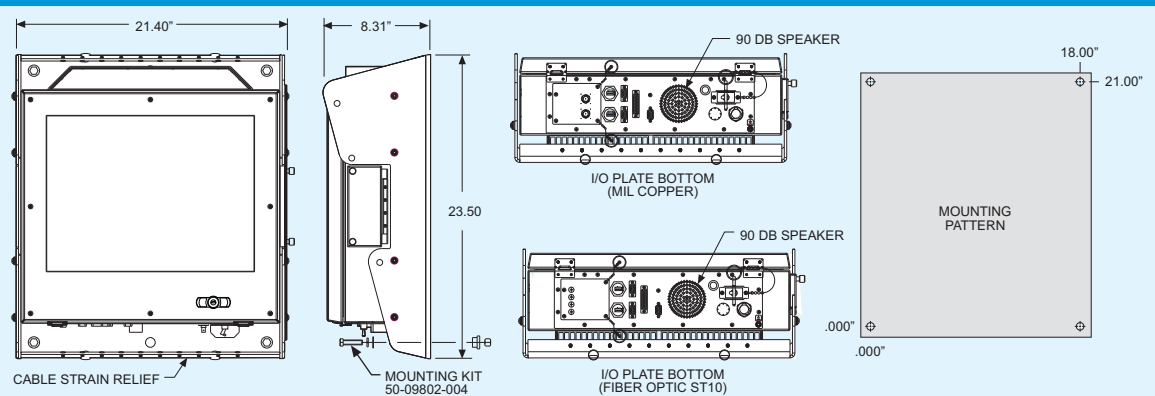
### Specifications 9580 9590

Specifications	9580	9590	
<b>LCD</b>	Display Screen Size	15.0" Diagonal	20.1" Diagonal
	Display Type	TFT Active Matrix	TFT Active Matrix
	Resolution	1024 x 768 (multi-sync)	1600 x 1200 (multi-sync)
	Brightness	250 cd/m2	200 cd/m2
	Brightness Control	0 - 100%	0 - 100%
	Viewing Angle	65° Horizontal, 55° Vertical	±85° Horizontal and Vertical
	Colors	16 Million	16 Million
	Contrast Ratio	400:1	400:1
	Touch Screen	Resistive, High Resolution Resistive w/Bonded EMI Glass, High Resolution	Resistive, High Resolution Resistive, w/Bonded EMI Glass, High Resolution
	Cursor Control	Durapoint Mouse	Durapoint Mouse/MIL Keyboard Trackball Options
	<b>Electrical</b>	Voltage	85-264VAC, 50/60 Hz
Current		1A Max @ 115VAC	1.5A Max @ 115VAC
Power		100 Watts Maximum	200 Watts Maximum
<b>Physical</b>	Enclosure	NEMA 4X, Actively Cooled with Thermostatically Controlled Fans	NEMA 4X, Actively Cooled with Thermostatically Controlled Fans
	Overall Dimensions (WxHxD)	16.75" x 19.25" x 7.85" (425.45 x 488.95 x 199.39)mm	21.40" x 23.5" x 8.31" (543.56 x 596.90 x 211.07)mm
	Weight (without bracket)	40 lbs. (18.14 kg.)	68 lbs., (30.8 kg.)
	Material	304 Stainless Steel	304 Stainless Steel
	Mounting Bracket	.187" Aluminum	.187" Aluminum Plate
	Bracket Weight	12 lbs. (5.4kg.)	16 lbs., (7.25 kg.)
	Color	Black (enclosure and bracket)	Black (enclosure and bracket)
<b>Processor</b>	Processor Speed	1.8 GHz Pentium M	1.8 GHz Pentium M or 2.2 GHz Core 2 Duo
	Memory	Up to 2GB DDR	Up to 2GB DDR Up to 4GB DDR
	Core 2 Duo Mobile	---	Celeron to Core 2 - 2.2 GHz Up to 4GB MAX
	Expansion Slot	(1) PCI	(1) PCI
	Video	Integrated Graphics Controller	Integrated Graphics Controller
	Sound	Integrated Audio (90dB)	Integrated Audio (90dB)
	Ethernet	Dual 10/100BT, CAT5 Mil Copper or Fiber, or Custom configuration available	Dual 10/100BT, CAT5 Mil Copper or Fiber, or Custom configuration available
	Mass Storage	Solid State Flash	Solid State Flash, Compact Flash, 2.5" Hard Drive
	USB Ports	(2) Bootable, USB 2.0, (1) Extra USB Option	(2) Bootable, USB 2.0, (1) Extra USB Option
	I/O Ports	(2) DB9: (1) RS232, (1) RS485, (1) Parallel	(2) DB9: (1) RS232, (1) RS485, (1) Parallel
Operating System	Windows® XP Pro, Windows® XP-Embedded, Linux Redhat		

## 9580 Dimensional Drawing

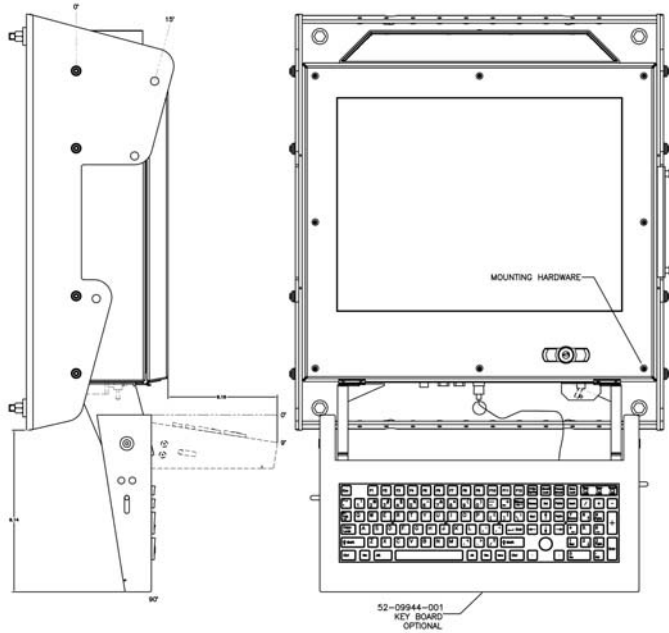


## 9590 Dimensional Drawing

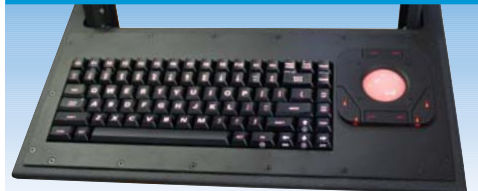


## Optional Accessories (20" 9590 System Only)

### Keyboard Tray



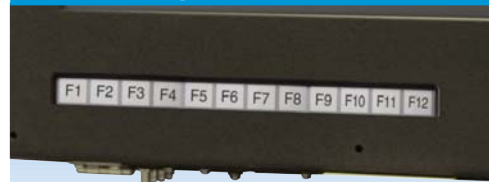
### Backlit MIL Keyboard W/Trackball



### Standard MIL Keyboard W/Mouse



### Function Keys



**COMARK CORPORATION**

93 West Street  
Medfield, MA 02052

Toll Free 1-800-280-8522  
Fax 508-359-2267  
Local 508-359-8161

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