

MPM-8

Multi Processor Module



Rugged, compact and modular computing

The MPM-8 (Multi Processor Module) provides compact, network application services in a single, energy efficient mobile unit.

Housing 8 removable Credit Card sized processor modules, the MPM-8 was designed and developed to address government and military requirements for tactical processing, shared storage and networking in a single compact unit. Processing and data storage can be easily accessed in the field.

Internal and network connectivity is provided by an embedded 1/10 Gb managed switch/router. IO functionality consists of 12 x 1GbE RJ45 ports, 4 x 1 Gb SFP fibre ports and 4 x 10 Gb SFP fibre ports from the embedded Managed Ethernet Switch/Router. Each BioDigitalPC® is interfaced via its dedicated Mini DisplayPort connector with 2 x USB2 and 1 x USB3 ports.

Standard Configuration:

Physical

- ◇ Weight: 8 Kg
- ◇ Dimensions (mm): 416 H x 131 H x 337 D

Power

- ◇ 24vDC in
- ◇ Unit Consumption: Nominal Watts @ 24vDC in 87watts 50% loading across PC11 cards 168 watts

Network Connectivity Rear Panel

- ◇ RJ45 FTP GbE x12
- ◇ SFP+1G x4
- ◇ SFP+ 10G x4
- ◇ Layer 2 switch with Layer 3 forwarding

Storage

- ◇ Removable 2.5 inch x 2 SSD shared storage. RAID 0,1,BIG,JBOD

Processor Units

- ◇ Removable BioDigitalPC® modules x 8
- ◇ USB 2.0, USB 3.0, Mini DP++ per PC module