

# Fourth Generation Systems

34 KINGS PARK ROAD  
WEST PERTH, 6005  
WESTERN AUSTRALIA  
(P.O. BOX 189, SOUTH PERTH 6151)  
TELEPHONE: (09) 322 7499  
TELEX: AA92841 UTAS

A DIVISION OF CAMWARRA LTD. (INC. IN QLD.)

## SPECIFICATION FGSV11 LSI-11 Memory Boards 1, 2, 3 and 4 Megabyte Capacities

### Specifications

<b>Capacity</b>	FGSV11-1: 1 Mbyte + parity FGSV11-2: 2 Mbytes + parity FGSV11-3: 3 Mbytes + parity FGSV11-4: 4 Mbytes + parity
<b>Compatibility</b>	Any 22 bit Q-bus system The FGSV11 supports DEC's new fast DMA protocol and is functionally equivalent to DEC's MSV11-PL.
<b>Addressing</b>	Any 1 Mbyte boundary within the LSI-11/23-PLUS 4 Mbyte addressing range. Starting address block selected by on-board DIP switch.
<b>Parity</b>	On board Control/Status register
<b>Power</b>	Single + 5V supply FGSV11-1: 2.5A typical (maximum 4.2A) FGSV11-4: 3.2A typical (maximum 6.2A)
<b>Space requirement</b>	One DEC quad-height slot
<b>Speed</b>	Access time (SYNCH to RPLYH on DATI or DATO(B) cycles): typically 225ns (250ns maximum) Block mode DMA cycles (DINH or DOUTH to RPLYH): typically 120ns (150ns maximum)
<b>Memory chips</b>	FGSV11-1: 64K × 1 bit dynamic RAM FGSV11-2, 3, 4: 256K × 1 bit dynamic RAM Both boards use industry standard DRAM chips so that replacements are available from multiple sources.
<b>Warranty</b>	<del>One</del> <sup>2</sup> years with despatch of repaired board or loan replacement within 24 hours of faulty board being received at Perth factory.
<b>Circuit board</b>	High reliability Multiwire technology board
<b>Availability</b>	Maximum 30 days from receipt of order