

Honeywell ISS Products

Space Avionics Computers and Controllers



Enhanced Space Station Multiplexer / Demultiplexer (ESSMDM) with EPIC

Space Station Multiplexer / Demultiplexer (SSMDM) - 4, 10, 16

On-Orbit Test Capabilities



MDM On-Orbit Tester (MOOT)

Space Navigation



Space Integrated GPS/INS (SIGI)



Rate Gyro Assembly

Berthing / Docking

ElectroMechanical Actuators (EMAs)



Hook EMA



Plug-Umbilical EMA



Receptacle-Umbilical EMA



Separation EMA

Space Avionics Onboard Data Networks



Integrated Station LAN Edge Router

Space Avionics Displays and Controls



Multifunction Display Unit (MDU)



Hand Controllers

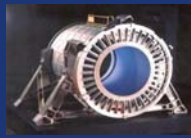
Mechanisms - Power and Data Transfer



Power Data Transfer Assembly (PDTA)



Utility Transfer Assembly (UTA)



Bearing Assembly Transfer Structure (BAXS)

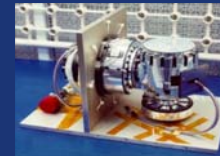


Beta Gimbal Roll Ring Subsystem (BGRRS)

Mechanisms - Antenna Gimbals



Space to Ground Subsystem (SGS) Gimbal



Assembly / Contingency Subsystem (ACS) Gimbal

Space Environmental Control



Carbon Dioxide Removal Assembly (CDRA)



Air Flow Control Valve



Pressure Control Panel (PCP)

Internal Thermal Control



Three Way Mix Valve



System Flow Control Assembly



Loop Crossover Assembly



Pump Package Assembly



Ammonia Tank and Accumulator



Common Berthing Mechanism (CBM)



Gearhead

Space Avionics Computers and Controllers

Enhanced Space Station Multiplexer / Demultiplexer (ESSMDM) with EPIC
Qty = 9 7 - LAB, 2 - S0

Enhanced Space Station Multiplexer / Demultiplexer (ESSMDM)
Qty = 6 4 - LAB, 2 - N3

Space Station Multiplexer / Demultiplexer (SSMDM) - 4
Qty = 18 2 - P6, 2 - P4, 2 - P3, 2 - P1,
2 - S6, 2 - S4, 2 - S3, 2 - S1, 2 - FGB

Space Station Multiplexer / Demultiplexer (SSMDM) - 10
Qty = 7 2 - N1/PMA, 2 - S0, 1 - P1, 1 - S1, 1 - PMM

Space Station Multiplexer / Demultiplexer (SSMDM) - 16
Qty = 8 3 - LAB, 1 - AL, 2 - N2, 2 - N3

Honeywell ISS Products

On-Orbit Test Capabilities

MDM On-Orbit Tester (MOOT)
Qty = 1 1 - LAB

Berthing / Docking

Hook EMA — Qty = 2

Plug-Umbilical EMA — Qty = 1

Receptacle-Umbilical EMA — Qty = 1

Separation EMA — Qty = 3

Common Berthing Mechanism (CBM) — Qty = 17

Gearhead — Qty = 12

Internal Thermal Control System (ITCS)

Three Way Mix Valve (TWMV) — Qty = 18

System Flow Control Assembly (SFCA) — Qty = 12

Loop Crossover Assembly (LCA) — Qty = 6

Pump Package Assembly (PPA) — Qty = 16

Ammonia Tank and Accumulator — Qty = 27

Rack Flow Control Assembly (RFCA) — Qty = 53

Manual Flow Control Valve (MFCV) — Qty = 72

2 Port Shut off — Qty = 8

Surface Temperature Sensor — Qty = 87

Coldplates and Heat Exchanges — Qty = 310

Space Avionics Onboard Data Networks

ISL Edge Router
Qty = 2 1 - LAB, 1 - N1

Space Avionics Displays and Controls

Multifunction Display Unit (MDU)
Qty = 2 2 - JEM

Hand Controllers
Qty = 2 1 - LAB, 1 - N3

Space Navigation

Space Integrated GPS/INS (SIGI)
Qty = 2 2 - LAB

Rate Gyro Assembly
Qty = 2 2 - S0

Mechanisms - Power and Data Transfer

Power Data Transfer Assembly (PDTA)
Qty = 2 1 - P1, 1 - S1

Bearing Assembly Transfer Structure (BAXS)
Qty = 2 1 - P1, 1 - S1

Utility Transfer Assembly (UTA)
Qty = 2 1 - P3, 1 - S3

Beta Gimbal Roll Ring Subsystem (BGRRS)
Qty = 8 2 - P6, 2 - P4, 2 - S4, 2 - S6

Mechanisms - Antenna Gimbals

Assembly / Contingency Subsystem (ACS) Gimbal
Qty = 2 1 - P1, 1 - S1

Space to Ground Subsystem (SGS) Gimbal
Qty = 1 1 - Z1

Space Environmental Control

Carbon Dioxide Removal Assembly (CDRA) — Qty = 2

Pressure Control Panel — Qty = 6

ECLSS Air Valves

Oxygen Isolation Valve — Qty = 8

Nitrogen Isolation Valve — Qty = 19

Vent & Relief Valve — Qty = 8

Manual Pressure Equalization Valve — Qty = 17

Airlock Manual Pressure Equalization Valve — Qty = 2

Intermodule Ventilation Valve (IMV) — Qty = 36