

DynaFlex Subracks

The Avara DynaFlex family contains two sub-racks solutions: the M16 and the M4 subracks. Both subracks are designed to house Avara's DynaFlex Multiservice Access platform equipment, as well as the Nokia Dynanet access multiplexer equipment, and can be used in cabinets for indoor and outdoor applications.

The M16 is a 19" wide, six (6) rack unit high subrack which can be mounted in standard 19" racks using the provided brackets.

It has 16 slots, for installing 15 DynaFlex transport, multiplexer and interface cards plus a power supply card.

The subrack also supports the option of installing an additional power supply card in slot 15 to provide resiliency against power supply failure.

The M16 subrack can be divided into four sections allowing multiple access/multiplexing groups to be configured in a single subrack. That is, up to four independent groups of multiplexers with channel cards can be configured within a single unit.

A DynaFlex DC-PIU power supply card can be installed to provide 20 to 72VDC operation. The DC PIU also provides 3 external dry contact rack alarm outputs for the subrack. For applications requiring AC mains power, the M16 supports an AC-PIU plug in card with 90-260 VAC operation.

M16



The M4 is a 19" wide, three (3) rack unit high subrack with 4 slots. It can be mounted in a standard 19" rack using the provided brackets.

The M4 provides a horizontal subrack solution to meet the needs of compact installations. The unit can be used for mounting Avara DynaFlex equipment and Nokia Dynanet equipment.

It has an in-built power supply thus allowing the use of all four slots for the installation of multiplexer, transport and channel cards.

Both DC and AC power supply options are available.

The DC power port of the M4 supports dual power feeding inputs for greater reliability. Additionally, three dry contact summary alarm outputs are available, which represents the A, B and D alarms of the Avara and Nokia equipment.

The M4 has an integrated RJ45 based patch panel so that the cables from the individual cards can be internally terminated thus simplifying cabling to external equipment. Should this functionality not be needed, an option is available without the integrated patch panel whereby the cables from the individual cards

M4



Technical Specifications

Product (refer to notes below)	M16 P61000.01 P61000.02	M4 P21014.01 DC P21014.04 DC (w/o patch panel) P21014.02 AC P21014.05 AC (w/o patch panel)
Dimension Height Width Depth	325mm 445mm 224mm	133mm 476mm 276mm
Weight	5.20Kg	3.1Kg
Number of Slots	16	4
Power Supply Voltage Range (DC) Voltage Range (AC) Power Rating	20-72 VDC 90-260 VAC 150W	20-72 VDC 90-260 VAC 50W
Environmental Operating Temperature Relative Humidity	-20 °C to +65 °C 5-90% (Non-condensing)	-20 °C to +65 °C 5-90% (Non-condensing)

Notes:

P61000.01 Subrack supports all DynaFlex units including the DB4, DynaFlex Channel Cards, the DXC as well as all Nokia Dynanet Channel Cards. This subrack does not support the Nokia DB2 product.

P61000.02 Subrack supports all DynaFlex units including the DB4, DynaFlex Channel Cards, the Nokia DB2 product as well as all Nokia Dynanet Channel Cards. This subrack does not support the DynaFlex DXC product.

P21014.05 is the only M4 variant that currently supports the DXC product.



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