

# AMC-1616



# AMC-1616

## Technical Specification

|  |                               |
|--|-------------------------------|
| DSP Processing                               | Ti 456MHz FLOPS DSP           |
| Number of analog channels                    | 16 Input + 16 Output          |
| GPIO   | 2 Input                       |
| RS485  | 1                             |
| RJ45 control interface                       | 1                             |
| Simulated maximum gain                       | 51dB                          |
| Digitalizing bit                             | 24bit                         |
| Sampling Rate                                | 48k                           |
| Frequency Response (20-20KHz)                | $\pm 0.2$ dB                  |
| Analog-to-digital dynamic range (A-weighted) | 114dB                         |
| Digital-to-analog dynamic range (A-weighted) | 120dB                         |
| Input to output dynamic range                | 108dB                         |
| Total harmonic distortion + noise            | $< 0.003\%$ @ 20-20KHz ,18dBu |
| Noise floor (A- weighted)                    | -90dBu                        |
| Delay storage                                | 2s                            |
| Analog input to output system delay          | 3ms                           |
| Input impedance (balance -type)              | 20K $\Omega$                  |
| Output impedance (balance -type)             | 100 $\Omega$                  |
| Maximum Input Level                          | +18dBu, balance               |
| Maximum Output Level                         | +18dBu , balance              |

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|  |                 |
|--|-----------------|
| Equivalent input noise EEN (20-20kHz · A-weighted) | ≤-131 dBu       |
| Phantom power (per input)                          | 48V             |
| Input common mode rejection · 60Hz                 | 70dB            |
| Channel Isolation · 1kHz                           | 104dB           |
| Dimensions (W*D*H)                                 | 482*258*45(mm); |
| Power Consumption                                  | <24W            |
| Operating Temperature                              | -10-50°C        |
| Working Power Supply                               | DC12V/2A        |
| Net Weight   | 2.5KG           |