

MIOS-100 Register Map List / V00

| CHANNEL | MODBUS ADDRESS | IO Type | Register Name | Read Write | Register Type | Scale | Min | Max | Description |
|---------|----------------|-----------------------|------------------|------------|---------------|-------|-----|-------|------------------|
| 1 | 1 | DIGITAL INPUTS | Digital Input 1 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / 65535=ON |
| 1 | 2 | | Digital Input 2 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / 65535=ON |
| 2 | 3 | | Digital Input 3 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / 65535=ON |
| 2 | 4 | | Digital Input 4 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / 65535=ON |
| 3 | 5 | | Digital Input 5 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / 65535=ON |
| 3 | 6 | | Digital Input 6 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / 65535=ON |
| 4 | 7 | | Digital Input 7 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / 65535=ON |
| 4 | 8 | | Digital Input 8 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / 65535=ON |
| 5 | 9 | | Digital Input 9 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / 65535=ON |
| 5 | 10 | | Digital Input 10 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / 65535=ON |
| 6 | 11 | | Digital Input 11 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / 65535=ON |
| 6 | 12 | | Digital Input 12 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / 65535=ON |
| 7 | 13 | | Digital Input 13 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / 65535=ON |
| 7 | 14 | | Digital Input 14 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / 65535=ON |
| 8 | 15 | | Digital Input 15 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / 65535=ON |
| 8 | 16 | | Digital Input 16 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / 65535=ON |
| 9 | 17 | | Digital Input 17 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / 65535=ON |
| 9 | 18 | | Digital Input 18 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / 65535=ON |
| 10 | 19 | | Digital Input 19 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / 65535=ON |
| 10 | 20 | | Digital Input 20 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / 65535=ON |
| 11 | 21 | | Digital Input 21 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / 65535=ON |
| 11 | 22 | | Digital Input 22 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / 65535=ON |
| 12 | 23 | | Digital Input 23 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / 65535=ON |
| 12 | 24 | | Digital Input 24 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / 65535=ON |
| 13 | 25 | | Digital Input 25 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / 65535=ON |
| 13 | 26 | | Digital Input 26 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / 65535=ON |
| 14 | 27 | | Digital Input 27 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / 65535=ON |
| 14 | 28 | | Digital Input 28 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / 65535=ON |
| 15 | 29 | | Digital Input 29 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / 65535=ON |
| 15 | 30 | | Digital Input 30 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / 65535=ON |
| 16 | 31 | | Digital Input 31 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / 65535=ON |
| 16 | 32 | | Digital Input 32 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / 65535=ON |

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|---------|----------------|----------------------|------------------------|------------|---------------|-------|-----|-------|--|
| 1 | 33 | ANALOG INPUTS | 0-10V Analog Input 1 | Read Only | U16 | 1000 | 0 | 10000 | 0=0V / 1=0,001V / 10000=10,0V |
| 2 | 34 | | 0-10V Analog Input 2 | Read Only | U16 | 1000 | 0 | 10000 | 0=0V / 1=0,001V / 10000=10,0V |
| 3 | 35 | | 0-10V Analog Input 3 | Read Only | U16 | 1000 | 0 | 10000 | 0=0V / 1=0,001V / 10000=10,0V |
| 4 | 36 | | 0-10V Analog Input 4 | Read Only | U16 | 1000 | 0 | 10000 | 0=0V / 1=0,001V / 10000=10,0V |
| 5 | 37 | | 0-10V Analog Input 5 | Read Only | U16 | 1000 | 0 | 10000 | 0=0V / 1=0,001V / 10000=10,0V |
| 6 | 38 | | 0-10V Analog Input 6 | Read Only | U16 | 1000 | 0 | 10000 | 0=0V / 1=0,001V / 10000=10,0V |
| 7 | 39 | | 0-10V Analog Input 7 | Read Only | U16 | 1000 | 0 | 10000 | 0=0V / 1=0,001V / 10000=10,0V |
| 8 | 40 | | 0-10V Analog Input 8 | Read Only | U16 | 1000 | 0 | 10000 | 0=0V / 1=0,001V / 10000=10,0V |
| 9 | 41 | | 0-10V Analog Input 9 | Read Only | U16 | 1000 | 0 | 10000 | 0=0V / 1=0,001V / 10000=10,0V |
| 10 | 42 | | 0-10V Analog Input 10 | Read Only | U16 | 1000 | 0 | 10000 | 0=0V / 1=0,001V / 10000=10,0V |
| 11 | 43 | | 0-10V Analog Input 11 | Read Only | U16 | 1000 | 0 | 10000 | 0=0V / 1=0,001V / 10000=10,0V |
| 12 | 44 | | 0-10V Analog Input 12 | Read Only | U16 | 1000 | 0 | 10000 | 0=0V / 1=0,001V / 10000=10,0V |
| 13 | 45 | | 0-10V Analog Input 13 | Read Only | U16 | 1000 | 0 | 10000 | 0=0V / 1=0,001V / 10000=10,0V |
| 14 | 46 | | 0-10V Analog Input 14 | Read Only | U16 | 1000 | 0 | 10000 | 0=0V / 1=0,001V / 10000=10,0V |
| 15 | 47 | | 0-10V Analog Input 15 | Read Only | U16 | 1000 | 0 | 10000 | 0=0V / 1=0,001V / 10000=10,0V |
| 16 | 48 | | 0-10V Analog Input 16 | Read Only | U16 | 1000 | 0 | 10000 | 0=0V / 1=0,001V / 10000=10,0V |
| 1 | 49 | | PT1000 Analog Input 1 | Read Only | S16 | 100 | 0 | 65535 | 0=0C / 1=0,1C / 10=1,0C 65535=-0,1C / 65525=-1,0C |
| 2 | 50 | | PT1000 Analog Input 2 | Read Only | S16 | 100 | 0 | 65535 | 0=0C / 1=0,1C / 10=1,0C 65535=-0,1C / 65525=-1,0C |
| 3 | 51 | | PT1000 Analog Input 3 | Read Only | S16 | 100 | 0 | 65535 | 0=0C / 1=0,1C / 10=1,0C 65535=-0,1C / 65525=-1,0C |
| 4 | 52 | | PT1000 Analog Input 4 | Read Only | S16 | 100 | 0 | 65535 | 0=0C / 1=0,1C / 10=1,0C 65535=-0,1C / 65525=-1,0C |
| 5 | 53 | | PT1000 Analog Input 5 | Read Only | S16 | 100 | 0 | 65535 | 0=0C / 1=0,1C / 10=1,0C 65535=-0,1C / 65525=-1,0C |
| 6 | 54 | | PT1000 Analog Input 6 | Read Only | S16 | 100 | 0 | 65535 | 0=0C / 1=0,1C / 10=1,0C 65535=-0,1C / 65525=-1,0C |
| 7 | 55 | | PT1000 Analog Input 7 | Read Only | S16 | 100 | 0 | 65535 | 0=0C / 1=0,1C / 10=1,0C 65535=-0,1C / 65525=-1,0C |
| 8 | 56 | | PT1000 Analog Input 8 | Read Only | S16 | 100 | 0 | 65535 | 0=0C / 1=0,1C / 10=1,0C 65535=-0,1C / 65525=-1,0C |
| 9 | 57 | | PT1000 Analog Input 9 | Read Only | S16 | 100 | 0 | 65535 | 0=0C / 1=0,1C / 10=1,0C 65535=-0,1C / 65525=-1,0C |
| 10 | 58 | | PT1000 Analog Input 10 | Read Only | S16 | 100 | 0 | 65535 | 0=0C / 1=0,1C / 10=1,0C 65535=-0,1C / 65525=-1,0C |
| 11 | 59 | | PT1000 Analog Input 11 | Read Only | S16 | 100 | 0 | 65535 | 0=0C / 1=0,1C / 10=1,0C 65535=-0,1C / 65525=-1,0C |
| 12 | 60 | | PT1000 Analog Input 12 | Read Only | S16 | 100 | 0 | 65535 | 0=0C / 1=0,1C / 10=1,0C 65535=-0,1C / 65525=-1,0C |
| 13 | 61 | | PT1000 Analog Input 13 | Read Only | S16 | 100 | 0 | 65535 | 0=0C / 1=0,1C / 10=1,0C 65535=-0,1C / 65525=-1,0C |
| 14 | 62 | | PT1000 Analog Input 14 | Read Only | S16 | 100 | 0 | 65535 | 0=0C / 1=0,1C / 10=1,0C 65535=-0,1C / 65525=-1,0C |
| 15 | 63 | | PT1000 Analog Input 15 | Read Only | S16 | 100 | 0 | 65535 | 0=0C / 1=0,1C / 10=1,0C 65535=-0,1C / 65525=-1,0C |
| 16 | 64 | | PT1000 Analog Input 16 | Read Only | S16 | 100 | 0 | 65535 | 0=0C / 1=0,1C / 10=1,0C 65535=-0,1C / 65525=-1,0C |

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|---------|----------------|----------------|-----------------------|--------------|---------------|-------|-----|-------|-------------------------------|
| 1 | 113 | OUTPUTS | Digital Ouput 1 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / Other=ON |
| 2 | 114 | | Digital Ouput 2 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / Other=ON |
| 3 | 115 | | Digital Ouput 3 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / Other=ON |
| 4 | 116 | | Digital Ouput 4 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / Other=ON |
| 5 | 117 | | Digital Ouput 5 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / Other=ON |
| 6 | 118 | | Digital Ouput 6 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / Other=ON |
| 7 | 119 | | Digital Ouput 7 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / Other=ON |
| 8 | 120 | | Digital Ouput 8 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / Other=ON |
| 9 | 121 | | Digital Ouput 9 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / Other=ON |
| 10 | 122 | | Digital Ouput 10 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / Other=ON |
| 11 | 123 | | Digital Ouput 11 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / Other=ON |
| 12 | 124 | | Digital Ouput 12 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / Other=ON |
| 13 | 125 | | Digital Ouput 13 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / Other=ON |
| 14 | 126 | | Digital Ouput 14 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / Other=ON |
| 15 | 127 | | Digital Ouput 15 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / Other=ON |
| 16 | 128 | | Digital Ouput 16 | Read Only | U16 | 1 | 0 | 65535 | 0=OFF / Other=ON |
| 1 | 145 | | 0-10V Analog Ouput 1 | Read & Write | U16 | 1000 | 0 | 10000 | 0=0V / 1=0,001V / 10000=10,0V |
| 2 | 146 | | 0-10V Analog Ouput 2 | Read & Write | U16 | 1000 | 0 | 10000 | 0=0V / 1=0,001V / 10000=10,0V |
| 3 | 147 | | 0-10V Analog Ouput 3 | Read & Write | U16 | 1000 | 0 | 10000 | 0=0V / 1=0,001V / 10000=10,0V |
| 4 | 148 | | 0-10V Analog Ouput 4 | Read & Write | U16 | 1000 | 0 | 10000 | 0=0V / 1=0,001V / 10000=10,0V |
| 5 | 149 | | 0-10V Analog Ouput 5 | Read & Write | U16 | 1000 | 0 | 10000 | 0=0V / 1=0,001V / 10000=10,0V |
| 6 | 150 | | 0-10V Analog Ouput 6 | Read & Write | U16 | 1000 | 0 | 10000 | 0=0V / 1=0,001V / 10000=10,0V |
| 7 | 151 | | 0-10V Analog Ouput 7 | Read & Write | U16 | 1000 | 0 | 10000 | 0=0V / 1=0,001V / 10000=10,0V |
| 8 | 152 | | 0-10V Analog Ouput 8 | Read & Write | U16 | 1000 | 0 | 10000 | 0=0V / 1=0,001V / 10000=10,0V |
| 9 | 153 | | 0-10V Analog Ouput 9 | Read & Write | U16 | 1000 | 0 | 10000 | 0=0V / 1=0,001V / 10000=10,0V |
| 10 | 154 | | 0-10V Analog Ouput 10 | Read & Write | U16 | 1000 | 0 | 10000 | 0=0V / 1=0,001V / 10000=10,0V |
| 11 | 155 | | 0-10V Analog Ouput 11 | Read & Write | U16 | 1000 | 0 | 10000 | 0=0V / 1=0,001V / 10000=10,0V |
| 12 | 156 | | 0-10V Analog Ouput 12 | Read & Write | U16 | 1000 | 0 | 10000 | 0=0V / 1=0,001V / 10000=10,0V |
| 13 | 157 | | 0-10V Analog Ouput 13 | Read & Write | U16 | 1000 | 0 | 10000 | 0=0V / 1=0,001V / 10000=10,0V |
| 14 | 158 | | 0-10V Analog Ouput 14 | Read & Write | U16 | 1000 | 0 | 10000 | 0=0V / 1=0,001V / 10000=10,0V |
| 15 | 159 | | 0-10V Analog Ouput 15 | Read & Write | U16 | 1000 | 0 | 10000 | 0=0V / 1=0,001V / 10000=10,0V |
| 16 | 160 | | 0-10V Analog Ouput 16 | Read & Write | U16 | 1000 | 0 | 10000 | 0=0V / 1=0,001V / 10000=10,0V |