







й

й СВ/ССС / G3 й

N

1

|

т



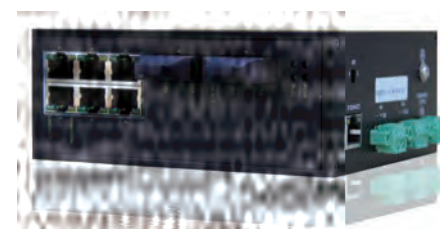
2.

3. I/O

3. I/O

5.

- Net MAC ч
- Ж Ж Ж Ж S I A N Ж Ж N o P Ж A C I
- й й
- й
- й



6.

- NCU Net MAC
- й . . 3 G E z й
- EM I
- NCU й I / O I / O
- й й
- Ж Ж Ж Ж
- Ж
- NCU Ж
- Ж й Ж

Н П

- й NCU EM I й
- й й < 2 m s
- й
- С С А Р Т й Ж й
- й
- й
- 3 / й
- й й I B C 3 . . 3 . - 3
- й Ж й
- й й
- й

Н "Y%

- е.ж ч I n t e l й . . 3 G E z й / G B й / G B С С А Р Т
- е / ж ч 2 . 0 0 M / . 0 0 0 M b p s O J 1 2
- I / O ч 5 й / M b p s
- ч /
- е 3 ж ч 3 /
- е 1 ж
- 666
- 2. /
- . 0 m s ~ 3 0 0 s
- е 2 ж 63 I / O й . , 2 3 3 3 , 0 4 /
- е 3 ж 4 3 3 I / O й / 0 е ж
- е 4 ж I B A
- е 5 ж
- й ч / 1 S A C
- ч < . 0 W
- е 6 ж
- ч - / 0 1 ~ 3 0 1
- ч . 0 % ~ 6 2 % е ж
- ч - 1 0 1 ~ 5 2 1
- е . 0 ж ч . 1 3 m m 1 2 0 m m 1 . 1 6 m m е 1 1 ж

7. I/O

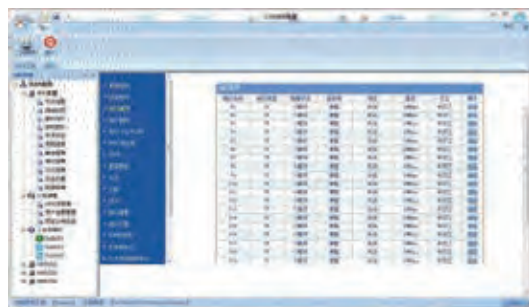
I/O

- PMT й й
- й
- й й
- й
- I / O
- й .3 / / 1 A / A . / A / A й
- й
- I / O й
- I / O й й
- A I / A 0 EAOT
- AEE / ETP й й
- й MoabrsЖM r o f i b r s - AM / MA CC

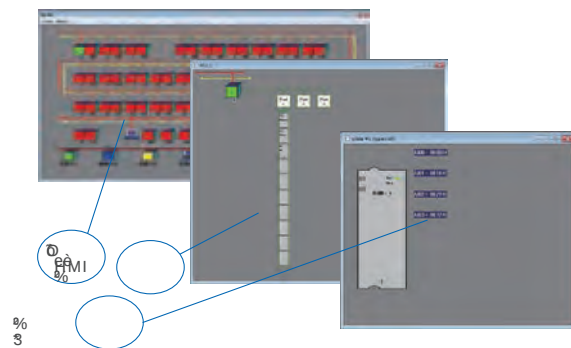
19



- 740
- 64VP#.
- NPP4P1DM79



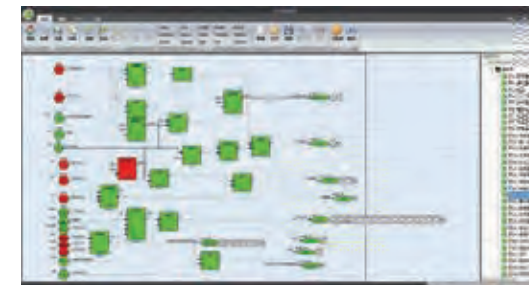
- 3809P1970d0960A
7E5A
- H146oa3D28H0A
- 8404451DdF
- 0B5MFA



- $\text{H}_2\text{O} + \text{H}^+ \rightarrow \text{H}_3\text{O}^+$
- $\text{H}_2\text{O} + \text{OH}^- \rightarrow \text{OH}_2^-$

- **PKIP** **de3333**
- **XP107** **0101**
- **aoa** **0000** **H0001V**
- **6"** **0000** **NP400** **0750**

■ **Á**



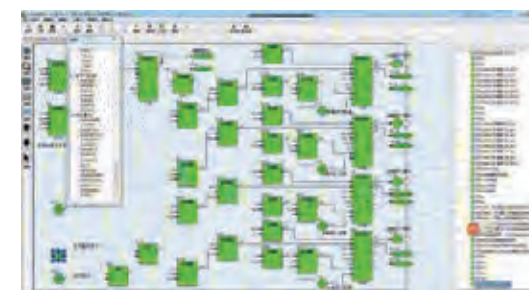
- $\frac{1}{10} \times 100\%$
 $\frac{1}{10} \times 100\% = 10\%$
- $\frac{1}{100} \times 100\%$
 $\frac{1}{100} \times 100\% = 1\%$
- $\frac{1}{1000} \times 100\%$
 $\frac{1}{1000} \times 100\% = 0.1\%$

I **ě**



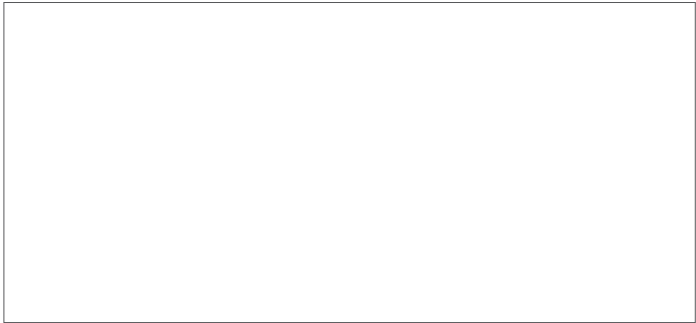
- 64₁₀ = 10000000₂
- 64₁₀ = 10000000₂

- 1970s
- 1966-1970
- 1964-1966
- 1967-1968
- 1964-1966



- 9. Ad 7m 3. 4. 5 Pr Be
1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.
- 10. Ad 7m 3. 4. 5 Pr Be
1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.
- 11. Ad 7m 3. 4. 5 Pr Be
1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

9M0



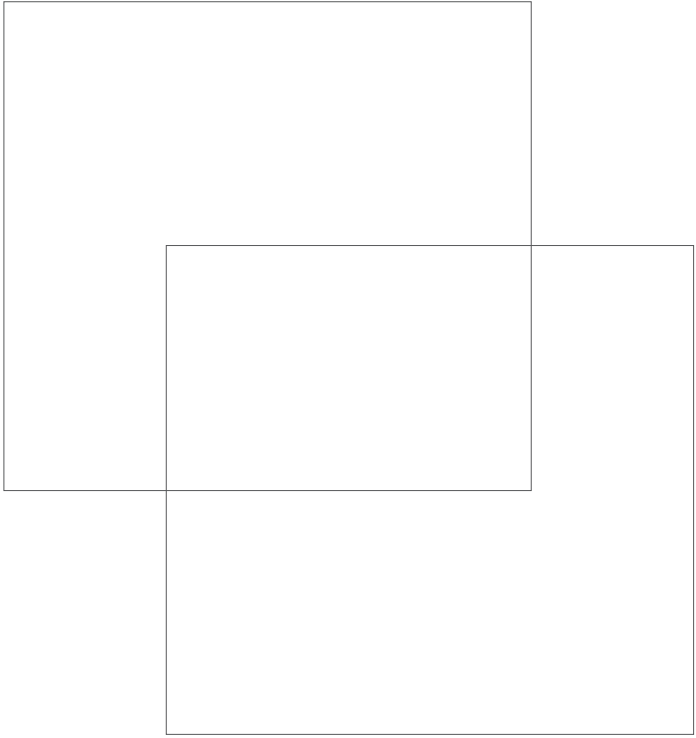
- 48V
- 10A

d0%



- 0.1A
- 0.1A
- 0.1A

9M



- 10A
- 10A

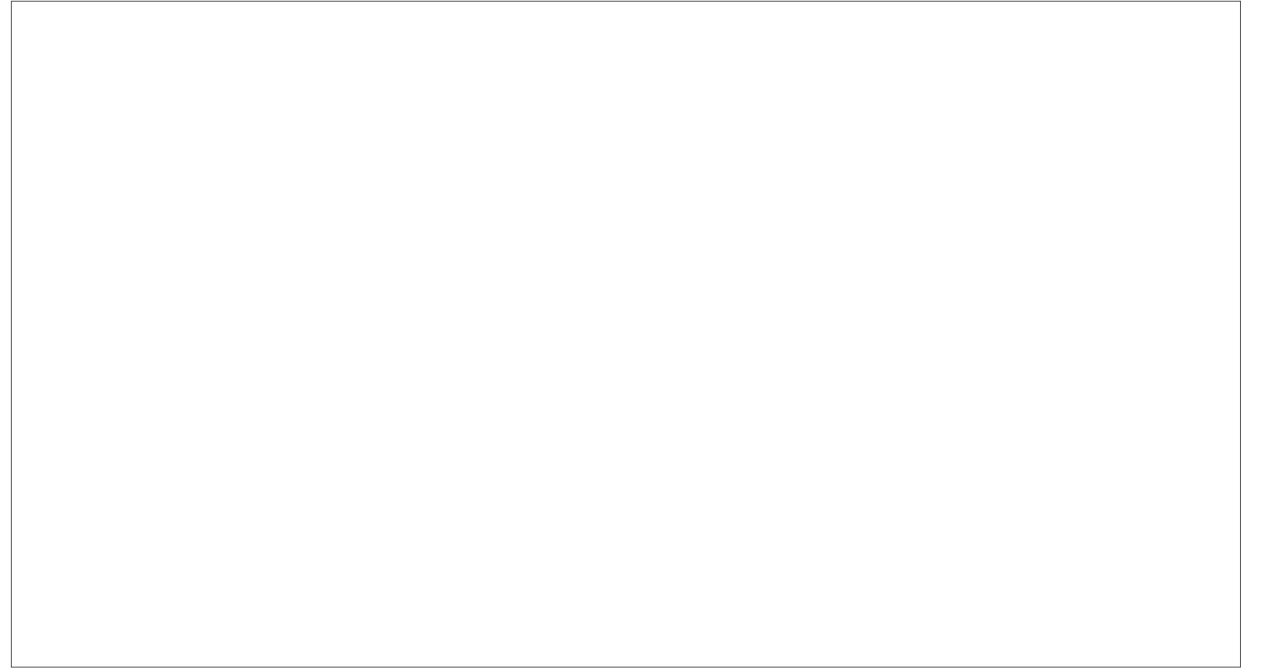
3. xAMS

uAMP й Ж NetMAC й Ж Ж Ж й

- M r o f i b r s - A M Ж Е А О Т С С

80V 10A 40V 10A 40V 10A 40V 10A

-



- 5% 6% 7% 8% 9% 10% 11% 12% 13% 14% 15% 16% 17% 18% 19% 20% 21% 22% 23% 24% 25% 26% 27% 28% 29% 30% 31% 32% 33% 34% 35% 36% 37% 38% 39% 40% 41% 42% 43% 44% 45% 46% 47% 48% 49% 50% 51% 52% 53% 54% 55% 56% 57% 58% 59% 60% 61% 62% 63% 64% 65% 66% 67% 68% 69% 70% 71% 72% 73% 74% 75% 76% 77% 78% 79% 80% 81% 82% 83% 84% 85% 86% 87% 88% 89% 90% 91% 92% 93% 94% 95% 96% 97% 98% 99% 100%

- 5% 6% 7% 8% 9% 10% 11% 12% 13% 14% 15% 16% 17% 18% 19% 20% 21% 22% 23% 24% 25% 26% 27% 28% 29% 30% 31% 32% 33% 34% 35% 36% 37% 38% 39% 40% 41% 42% 43% 44% 45% 46% 47% 48% 49% 50% 51% 52% 53% 54% 55% 56% 57% 58% 59% 60% 61% 62% 63% 64% 65% 66% 67% 68% 69% 70% 71% 72% 73% 74% 75% 76% 77% 78% 79% 80% 81% 82% 83% 84% 85% 86% 87% 88% 89% 90% 91% 92% 93% 94% 95% 96% 97% 98% 99% 100%

A

| I/O | | | |
|-----|-----------------|----------|------------|
| 18 | 720204030000428 | NAI-21 | 4 |
| 19 | 720204030000429 | NAIH-21 | UYM |
| 20 | 720204030000427 | NAO-21 | 4 |
| 21 | 720204030000430 | NAOH-21 | UYM |
| 22 | 720204030000443 | NDI-21 | |
| 23 | 720204030000425 | NDI-23 | |
| 24 | 720204030000452 | NSOE-21 | |
| 25 | 720204030000446 | NDO-21 | |
| 26 | 720204030000442 | NDO-22 | |
| 27 | 720204030000435 | NRTD-21 | |
| 28 | 720204030000441 | NTC-21 | |
| 29 | 720204030000436 | NPI-21 | |
| 30 | 720204030000439 | NSV-21 | |
| 31 | 720204030000440 | NSVI-21 | |
| 32 | 720204030000438 | NSD-21 | |
| 33 | 720204030000437 | NLP-21 | 63 |
| | | | |
| 34 | 720204030000449 | NDOT-21 | LD, O |
| 35 | 720204040000528 | NDOT-22 | LD, O |
| 36 | 720204040000522 | NDOT-231 | IP LD, O |
| 37 | 720204040000521 | NDOT-232 | IP 3 LD, O |
| 38 | 720204040000524 | NDIT-21 | P LD, O |
| 39 | 720204040000498 | NSDT-21 | D, O |
| 40 | 720204040000493 | NLPT-21 | 63 LD, O |

B I/O >

| | I/O |
|-------|---|
| | /1SAC й1ч1 |
| | 1RR50&UW0P08
0† |
| I / L | 10P
D0ESV
000 |
| | 1/- x 1- x 1/-mm e x x ж |
| | |
| | CCO 14 CCC P a r t 12 йANP I C33 . 1 - /-11
EN 61326-1: 2013, CISPR 16-4-2
CISPR 11: 2009
,&
,&
EN 61010-1:2010
\$6,,6\$ |
| | ч - /- 1 ~ +3- 1
ч - 1- 1 ~ +82 1
ч1- ~ 62% ,
ч1- - 2--Ez й 1-m / s /
ч` /2--m
ч - . 2r i s , 18 , --- / I |
| | СВйССС йD3 |

| | NAI-21 | 8 |
|--|--------|------------------|
| | 6A | 8 |
| | 6W | 8\$ |
| | 00 | 7,730 |
| | D | 8U† |
| | 0A. | 0VÄ0Ü |
| | 05 | 000&
0PP4000& |
| | 30AR0 | 0000 |
| | 0 | NPP400 |

| | NAIH-21 | 16 Hart |
|--|---------|----------|
|  | | 16 |
| | | 8\$4V\$7 |
| | | 7,730 |
| | | 8U† |
| | | 0VÄ0Ü |
| | | 0000 |
| | | NPP400 |

| | NAO-21 | 8 |
|---|--------|------------------|
|  | | 8 |
| | | 8\$ |
| | | 2 |
| | | • |
| | | 0A\$ |
| | 05 | 000&
0PP4000& |
| | 0 | NPP400 |

| | NAOH-21 | 8 Hart |
|--|---------|---------|
| | | 8 |
| | | 864V\$7 |
| | | 2 |
| | | 8U† |
| | | 0AS |
| | 0 | NPP40 |

| | NDI-21 | 16 48V |
|--|--------|-----------------|
| | | 16 |
| | | 0B |
| | | 48VDC |
| | | 0 K8V0PV |
| | | 00 |
| | 00 | 0000
0PP4000 |
| | 0 | NPP40 |

| | NDI-23 | 32 48V |
|---|--------|-----------------|
|  | | 32 |
| | | 0B |
| | | 48VDC |
| | | 0 K8V0PV |
| | | 00 |
| | 00 | 0000
0PP4000 |
| | 0 | NPP40 |
| | | |

| | NSOE-21 | 16 48V |
|---|---------|-----------------|
|  | | 16 |
| | | 0B |
| | | 48VDC |
| | PLB | PV |
| | | 0 K8V0PV |
| | | 00 |
| | 00 | 0000
0PP4000 |
| | 0 | NPP40 |

| | NDO-21 | 16 |
|--|--------|---|
| | | 16 |
| | | 012100\$ |
| | 00 | 027000
0000
001021
027HIP00
0000
001021 |
| | | 00 000 |
| | | 0000
0PP4000 |
| | | NPP40 |
| | 00 | |
| | 00 | 0000
0PP4000 |
| | 0 | NPP40 |

| | NDO-22 | 32 |
|--|--------|---|
| | | 32 |
| | | P31210R\$ |
| | PK | 127830
\$500
\$21\$21
127HIP30
\$500
\$21\$21 |
| | ආයතන | |
| | ප්‍රති | ප්‍රති
NPP4ප්‍රති |
| | ව | NPP4 |

| | NRTD-21 | 8 |
|--|---------|-----------------|
| | | 8 |
| | | 578P83W/ |
| | | 7k73u |
| | | . |
| | | 01V4DÜ |
| | 95 | 008&
NPP495& |
| | 3BÄR8 | 88888 |
| | 0 | NPP400 |

| | NTC-21 | 8 |
|---|--------|---------------|
|  | | 8 |
| | | 76.1567% |
| | | 7.33 |
| | | . |
| | | 0.1400 |
| | 95 | 95%
NPP495 |
| | 3PAR | 3PAR |
| | 9 | NPP49 |

| | NPI-21 | 8 |
|---|--------|---------------------------|
|  | | 8 |
| | 52% | 00K50U6, 00
64V
T00 |
| | 00K | a |
| | 00 | 0000
00PP4000 |
| | 00 | NPP4000 |

| | | NSV-21
DEH | NSVI-21
DEH |
|--|-----|---|----------------|
| | | <div>1 P I A</div> <div>/ ISAT</div> <div>/</div> <div>/</div> <div>4</div> <div>1</div> | |
| | | <div>ISAT ч 3 / 3</div> <div>A I : Ò2S / Ò/-mA й < - . 1B</div> <div>AL: 1 ~/-mA / - ~2Sй Ò/-mA ш < - . / B</div> <div>A I : (18SAC)</div> <div>AL: й 3 -SAC / 1A</div> | |
| | | IBA | |
| | IBA | Ж Ж | |
| | | 1---SAC
12--SAC | |
| | | <1T
< /T | = -T
< 1T |

| | | NSD-21 DEH |
|--|--|---|
| | | <div>1</div> <div>3</div> <div>3</div> <div>/</div> |
| | | > /--mSй ч (18SAC) |
| | | , Pho t o MLP <2- |
| | | - ~1-HE z |
| | | - . 1OPM
13 , >2- OPM й <1-m s |
| | | 1---SAC
12--SAC |
| | | < 3 T , < 3 T |

| | | NLP-21 ETS |
|--|--|----------------------------|
| | | <div>/1</div> <div>3</div> |
| | | e 18SAC ж |
| | | 3-S / 2-m A |
| | | 1---SAC
12--SAC |
| | | <1T ,
< - . /T |