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9 IOT

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1-2

1+X		
1+X 5G		
LTE		
C C++ MS Office		

149

1

B

2

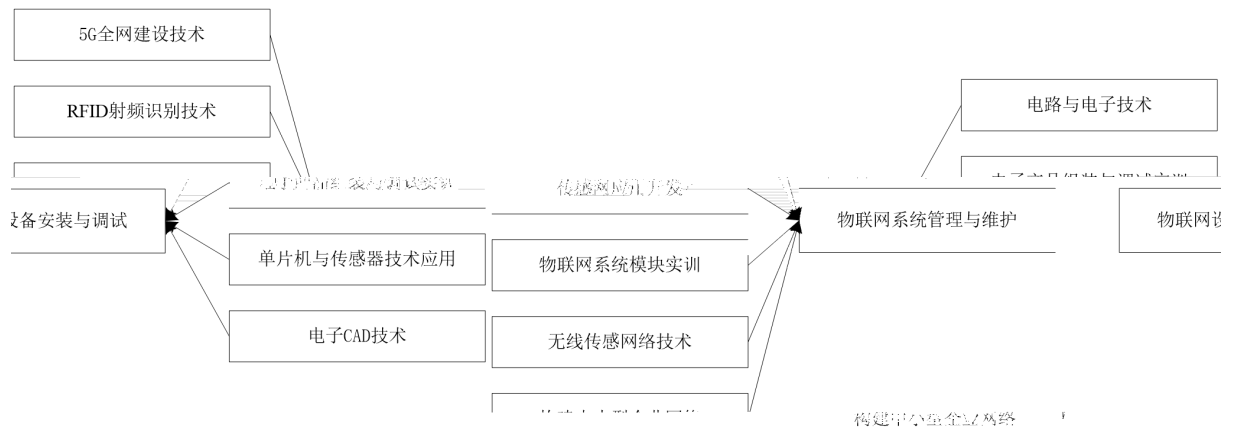
MS Office

3

1

	5G
	RFID

2



2

:

1

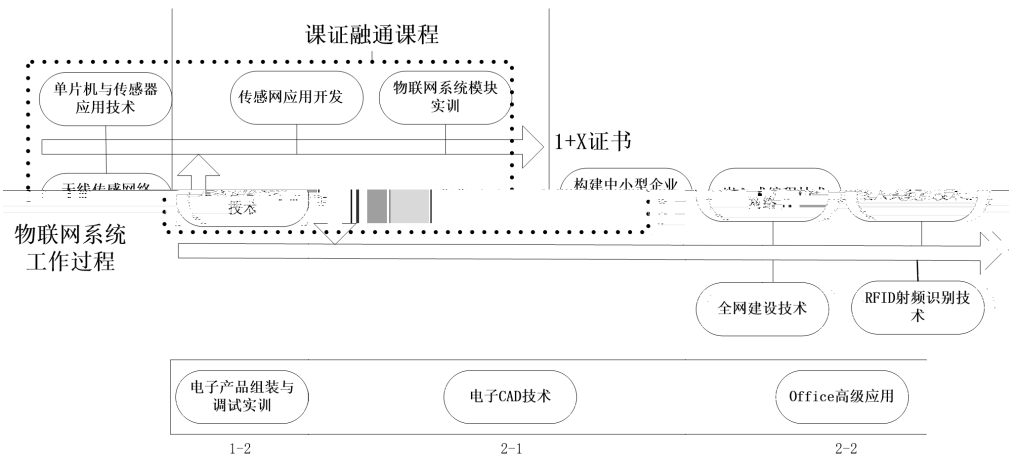
2

3

1 1+X

2 1-2

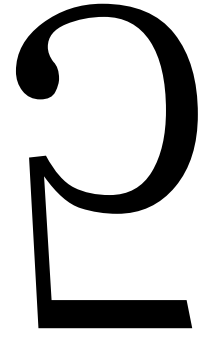
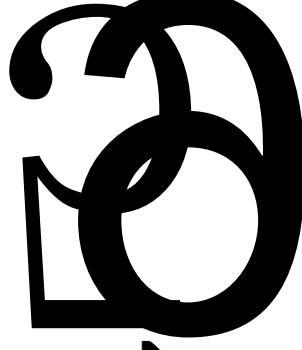
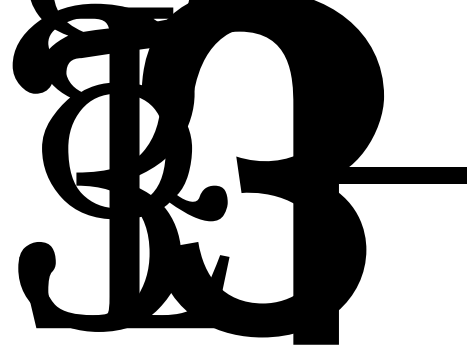
3 3



3

1.	1-1	1-1-1	MCU	1	
		1-1-2		2	
		1-1-3		3.	
		1-1-4			
	1-2	1-2-1	/	ADC SPI I2C	4.
		1-2-2			
		1-2-3			
		GPIO			

		1-2-4	RTOS	RTOS	5.
	1-3	1-3-1			
		1-3-2	M db	RS-485	
			M db		
		1-3-3	CAN	CAN	
			CAN		
		1-3-4	Z gBee	Ba c RF	
		1-3-5	W F AT	W F	
			W F	W F	
	1-4	1-4-1		,	
		1-4-2			
		1-4-3			
		1-4-4			
2.	2-1	2-1-1			
		2-1-2	Ja a		1
		2-1-3			2
		2-1-4			
		2-1-5			3.
	2-2	2-2-1			
		2-2-2			4.
		2-2-3			
		2-2-4			5.
		2-2-5			



- 2-1-1
- 2-1-2
- 2-1-3
- 2-1-4
- 2-1-5
- 2-2-1
- 2-2-2

- 1. a d d
- 2. a d d
- 3.

- 1. UI
- a d d
- a d d
- &
- a d d

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- 1-1-4
- 1-2-1
- 1-2-2
- 1-2-3
- 1-2-4
- 1-3-4
- 1-3-5

- 1. C
- 2.
- 3. Z gbee
- 4.
- 5.

- 1. Z gbee C
- 2.

60

- 1-1
- 1-3
- 2-2

- 1-1-1
- 1-1-2
- 1-1-3
- 1-1-4
- 1-1-5
- 1-3-1
- 1-3-2
- 1-3-3
- 1-3-4
- 1-3-5
- 2-2-1
- 2-2-2
- 2-2-3
- 2-2-4
- 2-2-5

- 1. RS485 CAN k
- 2. RS485 CAN
- 3. Z gBee
- 4. NB-IOT L RaWAN

- 1. RS485 CAN k
- 2. Z gBee
- 3. Z gBee



			5.		3.	
	1-1 1-2	1-1-1 1-1-2 1-1-3 1-1-4 1-1-5 1-2-1 1-2-2 1-2-3 1-2-4	1. 2. 3.	1. 32c be 2. 3.	1. 2. 3.	60
RFID	1-4	1-4-1 1-4-2 1-4-3 1-4-4	1. RFID 2. RFID 3. RFID 4. RFID	1. 2.		48

	B
	C

		/					
							+ + +
							+
							+

1			
2		4G&5G	4G&5G 4G&5G PTN SDH OTN
3			IP
4			
5			
6			

			/
1			5
2			20
3			3
4			5
5			8
6			2
7			17

					%

1		A	3	48	32	16	C	4*8					
2		A	4	64	48	16	C		4*12				
3		A	10.5	168	168		S	4*12	4*15	4*15			
4	B	A	4	60	60		S	6*10					
5		A	3	50	14	36	S	4*13					
6		A	4	108		108	C	2*13	2*14	2*13	2*14		
7		A	1	24	24		C				2*12		
8		A	1	64	16	48	C	4*4	4*4	4*4	4*4		
9		A	1	80	16	64	C	2*10	2*10	2*10	2*10		
10		A	1.5	28	14	14	C	2*1	2*3		2*3		

		11		A	1	16	16		C		2*8				
		12		A	2	32	16	16	C		2*8				
		13		A	2	36	36		C	3*12					
		14		A	2	112		112	C	15D					
		15		E	6				C						
					46	890	460	430		22	14	8	6		
					46										
		16	C	A	4	64	32	32	S	6*11					
		17		A	1.5	24	12	12	S		4*6				
		18		A	1.5	24	12	12	S				4*6		
		19		A	3	48	24	24	S		4*12				
					10	160	80	80							
					10					6	4		2		
		20		A	4	64	32	32	S	6*11					
		21		A	4	64	24	40	S		4*16				
		22		A	4	64	24	40	S		4*16				
		23		A	4	60	20	40	S			8*8			
		24		A	3	48	16	32	S				4*12		
		25		A	4	60	20	40	S		4*15				
		26	5G	A	4	60	20	40	S				4*15		
		27		A	5	80	40	40	S			8*10			
		28	RFID	A	3	48	24	24					4*12		
					35	548	220	328		5	12	9	12		
					35										
		29		E	14	224	88	136	C			10*16	8*8		
		30		A	1	24		24	C		24*1				
		31		A	1	24		24	C				24*1		
		32	()	A	34	816		816	C					24*20	24*14
					36	864	0	864			2	2			
					36										
					141	2686	848	1838		33	30	27	25	24	24

1. A B E S C
 *
 2.*
 3. 64
 1 Office 32 3 2
 32 2 3 EDA 32 2 4 CAD 64 4
 5 32 2 6 L 32 2 7 JAVA
 64 4 8 32 2 9 32 2 10
 32 2 11 h 64 4

1-2			90%	0.5
1-4				1 /
1-4			90%	0.5 /
1-4		1	2000	1
1-5				0.5-1 /
1-5				0.5-1 /

1-5				0.5 /
1-5				0.5-1 /

8

1.5

6.5

