

SF200



! " # \$ % & '

	SF200			
	V1.00		2021.1	
V1.00				2021.1.25
V1.01	SF200 1.03      1.04	PCB		2021.4.25
V1.02				2021.12.21
V1.03	SF200HT-A	SF200T-A		2022.12.2

# 1 SF200

SF200

!

" # \$ % & ' ( ) \* + , - . / 0 1 2 CPU 3 4 5 6 7 8

CPU 9 : ; CPU < \$ = > ? @ A B C D

SF200 E F G H I J K ! " 100 L M N O P Q

5 R S T U V PCI Express W X Y Z [ \ ] ^ \_ ` a 5 R b c

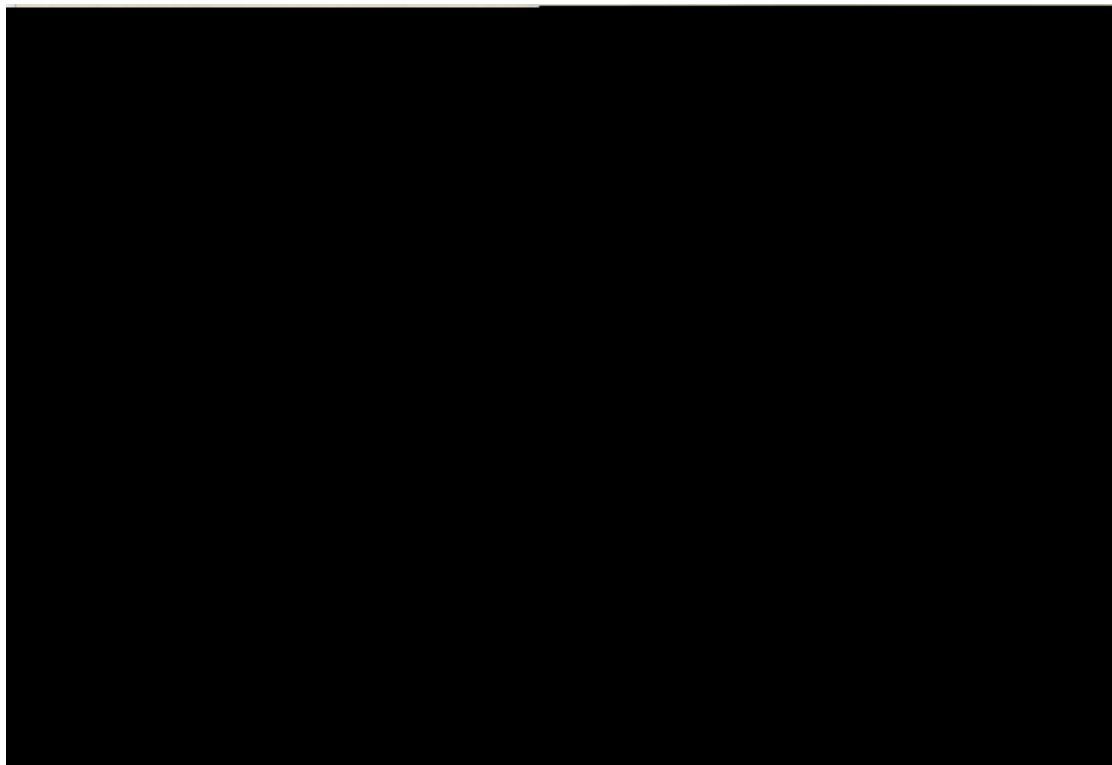
SF200 WX MAC+PHY de Qf g \$ Q h i j

P Q 5 k l k m n R h o p q q r s t q r 5

D + u v + , w x y z { | } ~ ! " PCI Express + # \$ % l k &

' ( O } ~

SF200 ) g \* + ,



1.1

- D	
. / O	SF200T/SF200HT /SF200T-A/SF200HT-A(+ /1 /ARM 1 )
O2d3	42
526/	10Base-T Category 3 4 5 5E or6, 7 100m
	100Base-Tx Cat5E Cat 5E and Cat6, 7 100m
	1000Base-T Cat 5E and Cat6, 7 100m
Rh6/	2 RJ45Qh
. * 9	3W
PCIe ( O! "	PCI Expressv2.1(5.0GT/s) x4: ; x8<x16
Rh = : ! "	10Mbps/100Mbps/1000Mbps (42)
5%>5	Core5%1.1V <sub>+3%</sub> >5 105%3.3V <sub>+3%</sub> >5
? @	
5%# \$	Yes
IEEE802.3	Yes
! " 9 =:	10BASE-T, 100BASE-TX, 1000BASE-T
! " AB	IEEE 802.3 az IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.1Q VLAN IEEE 802.1ad IEEE 802.3ab
! " CDEF ( G)	SM2/SM3/SM4
! " PCI-SIG	Yes
! " HI	Yes
J K L S M N (VMDq)	Yes
PXE ! "	Yes
FCoE ! "	NO
WOL ! "	NO
NCSI ! "	NO
p q s t ! "	o p q
LED O P Q R S	

1.2

1.2.1

SF200 ] ^ 25°C\_` I k \ ] 1500 a! 7bi j cdk  
ec + ?\* 9,

fg	1.3W	2.5W
1500 a! 7bhKc d	1.8W	3W

? 1 SF200 \* 9

1.2.2

PCB i j	113.6	mm	+/-0.13mm
PCB 5j	68.9	mm	+/-0.13mm
kl mn o5p (A ) o5p (G )	18.42(~ x79.20 5 18.42(~ x120.02 5	mm	+/-0.27mm
q5j l prs q5j l pts q5j	15.86 2.67	mm	+/-0.13mm

? 2 SF200 mn uu

1.2.3

SF200 vwqr \_` + ,

	Min	Typ	Max	Units
qr ^j xy SF200T/SF200T-A	0		55	°C
qr ^j xy SF200HT/SF200HT-A	-40		85	°C
qr ^j xy SF200HXT	-40		85	°C
qr z {j  } ~	0		90	%
! ^j	-40		85	°C
! {j  } ~	5		95	%

? 3 SF200 qr " q

## 2

### 2.1

- Ø SF200
- Ø z # \$
- Ø %&p
- Ø o5! ' 1 o5! ' 1

### 2.2

- W%\$ SF200 ( r ) \* + , - . / O1 \ ]
- Ø 23 EL
  - Ø 455%52
  - Ø 6 L7Z8Yg9 PCI-E X88X16 ( O{ | :
  - Ø + , 6 ; <= U5>?@AA: 7I +B
  - Ø CD EFGHZV I J . Af p:
  - Ø 9 @ ; = >?K JL JL! '
  - Ø 7 L7 A 52Z5M EL

### 2.3

! " Nr => , @OP pQR9 SFT

## 3

- Ø . \* +kU VW5%X
- Ø YZV . [ f \ { \_ ` + , ] ] ^
- Ø VZ\_` gabc + , de8fe8gh8i e ^
- Ø , j k l +8m68n&
- Ø , j 5^op S qr 5stq &uv

ø , j V . wx S qr 5stq &uv

ø VZyz qFyz &uv .

ø qr ^j , ! " + 81 ^j ^{: qr {j , 0% | 90% | } ~